

THE CHEMIST AND DRUGGIST

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"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

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JUNE 24, 1916.

{ Subscription Rate, 12s. 6d. per annum.
Single Copies, 6d. each. Winter and Summer
Issues 1s. each. Post Free.

Effervescent Saline

This preparation is supplied in minute granules, and is prepared from drugs of the purest quality.

Plug-stopp'd Cheltenhams

4 oz. f.c.
6 oz. f.c.
8 oz. f.c.

Packed in Wood's plug-stoppered Cheltenhams

4 oz.
6 oz.
8 oz.

Chemists' own name and address printed free on labels and cartons with orders to the value of 12/- for each preparation



The following are the various styles which can be supplied.

Specimens of available labels and cartons forwarded on request.

Fig. 534

Fancy coloured lithograph

Fig. 535

Black and white labels, fancy coloured wrappers or cartons

Fig. 537

Coloured labels, fancy coloured wrappers or cartons

Fig. 538

Fancy coloured labels and cartons

Fig. 539

Fancy coloured lithograph

Fig. 543

Fancy coloured border series

Fig. 1640

Fancy coloured Old English series

Fig. 1644

Fancy black and white script series

Fig. 898

Fancy coloured labels and cartons

Samples on request.

Allen & Hanburys
Ltd. :: London

UMNEY'S

Choice Synthetics

"ROSETTOL"

A true Rose Odour, 15/- per oz.

"ROSETTOL," first in the field, still holds first place amongst the synthetic rose products.

A PHARMACIST'S OPINION:

"Rosettol is better than any other artificial otto that I have tried."

GEORGE LUNAN, F.C.S., Pharmaceutical Chemist, Edinburgh.

PRESS OPINIONS :

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The British and Colonial Pharmacist.

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The Pharmaceutical Journal.

As Specialists in the department of Synthetic Perfumes, we also give the benefit of our experience in the following :—

Nerolettol	- - -	6/6 oz.	- -	Really replaces Neroli Oil.
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Benzoinettol	- - -	5/- oz.	- -	A base for Eastern type perfumes.
Muscol	- - -	3/6 oz.	- -	A highly concentrated Musk odour.

UMNEY'S PERFUMERY PRODUCTS were awarded
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GOLD MEDAL, Brussels International Exhibition, 1910.

WRIGHT, LAYMAN & UMNEY, Ltd., Southwark, London, S.E.

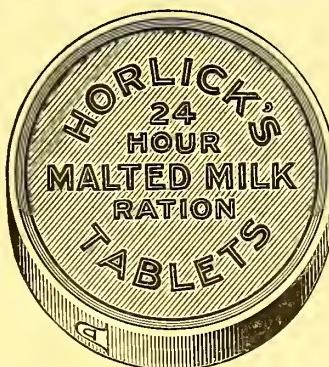
HORLICK'S RATION TINS OF MALTED MILK TABLETS

can now be supplied
in limited quantities
TO THE TRADE

at
12/6 per Doz.

plus carriage.

For Despatch
BY POST
—TO—
MEN AT
THE FRONT



RETAIL - PRICE -
1/6
PER TIN.

ORDER OF YOUR WHOLESALE HOUSE
OR OF
HORLICK'S MALTED MILK CO., SLOUGH, BUCKS.

Sanaphos as a Summer Beverage.

T. M. Reg.

SANAPHOS IS THE ONLY EASILY MISCIBLE NERVE FOOD.

“Sanaphos and Soda.”

A large demand has arisen for Sanaphos prepared as follows:—To two tablespoonfuls of water add about two small teaspoonfuls of Sanaphos, stir rapidly with spoon or fork and fill the tumbler with Soda Water.

Recommend this method of preparation to your customers.

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LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

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Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

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* LOSALL'S SALT (well advertised), tins	7½d.	5/-
" " "	1/2	10/-
" " "	1/6	12/-

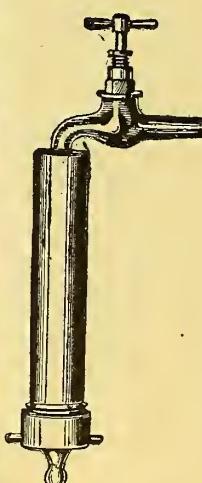
* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

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A valuable emollient medicated skin soap, } 1/6 12/-
especially suitable for use in Eczema

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Chamberland
Filter.**

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Wherever the PASTEUR
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disappeared.

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'Bynogen'

Trade Mark

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Nerve Food
Rich in Phosphorus

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"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

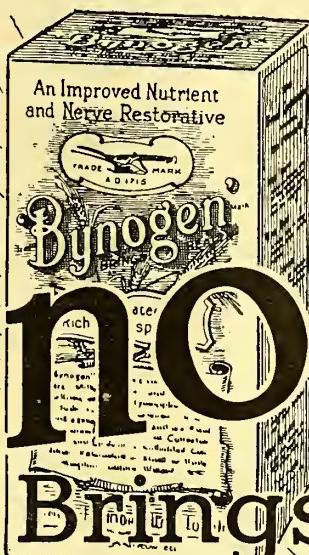
Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled Conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, etc.

"Bynogen" is very helpful to Nursing Mothers for overcoming the strain caused by breast feeding.

Minimum Retail Prices:
1/9 and 3/- per bottle.

Gross Wholesale Prices:
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respectively.



A Concentrated
Nutrient
and Restorative

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"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

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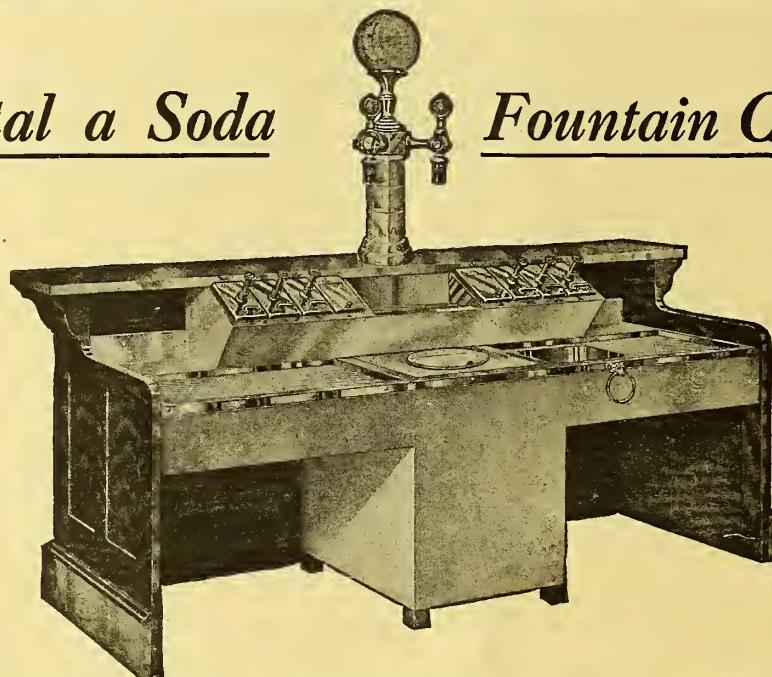
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A Money-making Proposition for Enterprising Chemists & Druggists !!

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The Soda Fountain is a prominent feature with Druggists' Stores throughout the United States. Why not here? It may be looked upon as an innovation, but is a step in the right direction as a Profit Earner!

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MANUFACTURED BY

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The range and variety of styles and sizes is practically unlimited, enabling every possible requirement being met.

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FREE Window Slips
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FREE Packages
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P. J. Form., therefore no stamps required. Known, admitted, and approved.
Profit over 100%, and nothing to do but hand it over the counter.
Makes an effective Window Show.
— Quick seller. Sure repeats. —

Two Sizes, selling at 7½d. and 1/3.

Write for new scale of prices according to quantity ordered.

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PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.

NAME
SPACE

"PRANA" SPARKLETS

PRESENT PRICES TO THE PUBLIC:

"C" size Syphon - -	5/6.	"B" size Syphon - -	4/-
"D" Bulbs (per dozen)	2/6	"B" Bulbs (per dozen)	1/8
<u>D" BULBS REFILLED AT 1/9 PER DOZEN.</u>			

IMPORTANT NOTICE TO THE TRADE.

- ¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.
- ¶ THE TRADE IS URGENTLY REQUESTED TO ASSIST US IN SUPPLYING MILITARY REQUIREMENTS BY FORWARDING TO OUR WORKS AT ONCE ALL EMPTY "D" BULBS RETURNED BY USERS IN EXCHANGE FOR NEW ONES, & BY REMINDING CUSTOMERS THAT THESE EMPTY BULBS ARE WORTH 9d. DOZ.
- ¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War—except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.

BRIDGE
BRAND.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

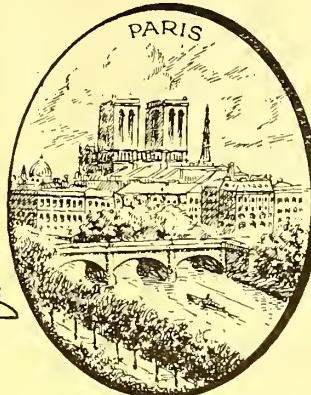
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Amidopyrin	Glycerophosphates	Phenazone
Barbitone	Guaiacol Carbonate	Pyrogallic Acid
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Bromide of Potassium	Hexamine	Guaiacolate
Bromide of Sodium	Homatropine	Quinine and Salts
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Cinchonine Sulphate and Muriate	Isarol (best Ichthylol substitute)	Salicylate of Soda
Cinchonidine Sulphate	Lithia Carbonate	Salol
Citric Acid	Lithol (Ichthylol substitute)	Sugar of Milk
Cocain Hydrochlor and Puriss	Mercurials	Tannic Acid
Cream of Tartar	Methylene Blue Medicinal	Tannin Albuminate
Creosote Carbonate	Methyl Salicylate	Terpineol
Eucalyptus Oil—B.P. 70%	Peppermint Oil	Terpine Hydrate
Formaldehyde	Pepsines, Pancreatin, Pepsone and other digestive Ferments	Theobromine
		Thymol Crystals
		Vanillin

R.W. Greeff & Co.

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E. C.



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King Street.

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NEW YORK:
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80, Maiden Lane.



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£200 IN PRIZES given
annually to users
of R. J. F. & B.'s
preparations.

R. J. FULLWOOD & BLAND'S

Celebrated Preparations are used and recommended at the principal
(Dairy Institutes, and have the largest sale in Great Britain.

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Liquid and Cake.
The Strongest and
Brightest.

CHEESE RENNET

Strength 1/2000
(Liquid, Powder, and Tablets.)

BUTTER COLOUR

"OLEO and
"SUNBEAM."

PRESERVATIVES

Powder and Liquid.
(Guaranteed Harmless.)

ESS. OF RENNET

Sold in 6d. and 1/- bottles.

JUNKET POWDER

Sold in 6d. and 3d. pots.

JUNKET TABLETS

Sold in 6d. tubes.

These preparations
are supplied
in bulk;
also packed with
customer's own labels.
Kindly allow us to submit
Samples and Quotations.

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THE MOST ECONOMICAL INFANTS' FOOD.

FRAME FOOD™

ON P.A.T.A. LIST.

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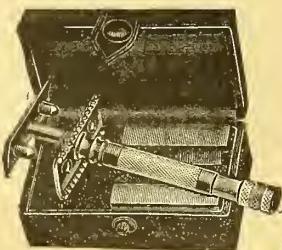
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Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

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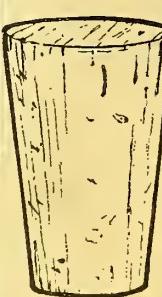


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Made by direct combustion of the metal.

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The Zinc Oxide " Puriss " is the whitest and lightest made, testing 99·8 % ZnO, a degree of purity not usually associated with a product made on a commercial scale. It has been known and appreciated by the Drug trade in all parts of the world for a third of a century.

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MR. STEVENSON was for many years a Director of BAISSE BROTHERS & STEVENSON, Limited.

A FEW MORE FACTS

For the Optician who Knows his Business.

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YOU are economising! But is your economy practical and profitable?

DOES your study of economics include a thought for the future as well as the present.

DO you realise that the chance customer of to-day should be a source of income to you in succeeding years as well as at the present time, either by means of his direct purchases, or through his recommendation to friends?

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Economise profitably by purchasing only Guaranteed Goods such as:-

The "STANDWEAR" Mounting (Finger-Piece) in Rolled Gold and Solid Gold.

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Maw's

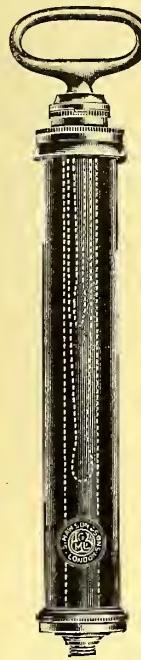
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 (GPO BOX N^o 541)
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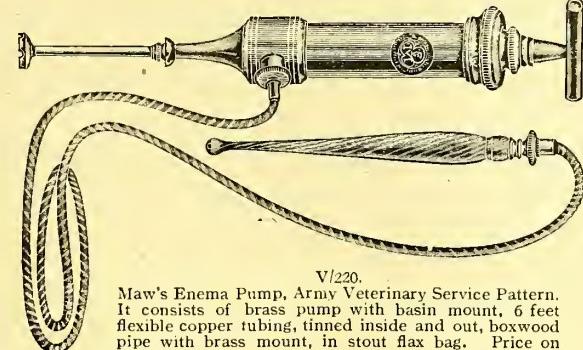
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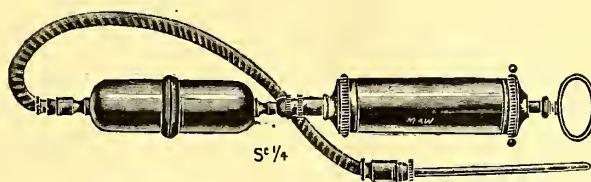
VALUE in VETERINARY GOODS



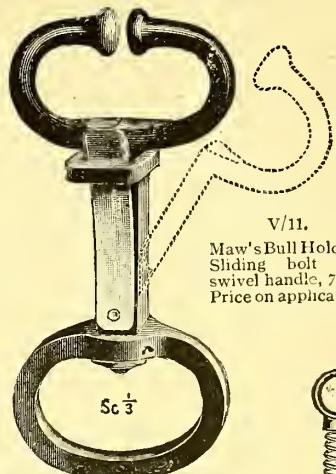
V/230. Maw's Parex' (Regd.) Brass Enema Syringe. One pint, 2 pints, and 3 pints. Prices on application.



V/220. Maw's Enema Pump, Army Veterinary Service Pattern. It consists of brass pump with basin mount, 6 feet flexible copper tubing, tinned inside and out, boxwood pipe with brass mount, in stout flax bag. Price on application.



V/247. Maw's Milk Fever Syringes, combined for air or solutions. Fitted with metal pump, solid metal piston, flexible metal tubing, wool box and one teat tube, in japanned tin box. Price on application.



V/11. Maw's Bull Holders. Sliding bolt and swivel handle, 7½ in. Price on application.

CASTRATION CLAMS.

V/30. Maw's Army Pattern, Steel, with slide catch superior. Black and nickel-plated.

CASTRATION KNIVES.

V/41. Buffalo horn handle, folding spring back.

CATTLE PROBANGS.

V/188. Elastic gum, with horn mounts and cane stilette.

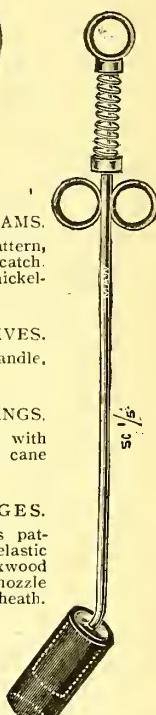
ENEMA SYRINGES.

V/229. Maw's Brass pattern. One pint, with elastic gum abortion pipe, boxwood rectal pipe and metal nozzle for washing out bull's sheath.

MILK FEVER SYRINGES.

V/253. Maw's india-rubber, for solutions, sterilizable, with one teat tube, in cedar box.

Prices of above lines on application.



V/3. Maw's Balling Gun. Army pattern, nickel-plated, with india-rubber mouth-piece. Price on application.

A Manchester Message

Every stock breeder, if he does not actually visit Manchester next week, will be interested in the proceedings of the Royal Agricultural Show, which opens there on Tuesday. The food problem of Great Britain is a growing one. The country looks to the farmer for a solution of many economic questions, rearing cattle is as nearly important, measured in result to the nation, as munitions.

Stock breeding necessitates the use of many veterinary instruments and appliances, the supply of which should directly interest every pharmacist located in the recognised centres.

It is not too much to say that a separate and very important department can be built up in this direction; a little enterprise will result in profitable returns well worth the effort, as many of our customers have proved.

Here it may be stated that we have long recognised the importance of veterinary requisites as a growing business proposition. A section of this House is exclusively devoted to the production of all kinds of instruments. Expert attention is given to the improvement of existing patterns, so that pharmacists may have every confidence in the goods we supply.

Farmers are vitally interested in the health of their stocks. Horses, cows, sheep, pigs, dogs and poultry all have their ailments and need of attention.

The pharmacist can make himself a valuable link between his stock-breeding customers and ourselves. Make "Market Day" in your town a day for introducing veterinary needs.

Devote a little counter-space, or a little window space, to the farmer's interest.

On this page we give a selection, and incidentally, evidence of the help we can give in this direction.

Capsule

WESTMINSTER COLLEGE.

PHONE:
BRIXTON
1728.

Principals: G. S. V. WILLS, Ph.C. (Founder); P. H. WOODNOTH, M.P.S.

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MINOR WINTER TERM FOR JANUARY EXAMINATION
COMMENCES OCTOBER 4th.

Students desiring extra Practical Analysis can enter on WEDNESDAY, SEPTEMBER 6th.

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Since the beginning of 1916 Thirty-one Ladies have qualified as Dispensers from this College.

More Students have passed the Pharmaceutical Examination from this College than from any other School.

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ELT'S

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His Prelim. was taken in the Prelim. Postal Dept. of the
College with three Distinctions. His Analytical Studies were
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2/6	... 2/3	... 15/- }
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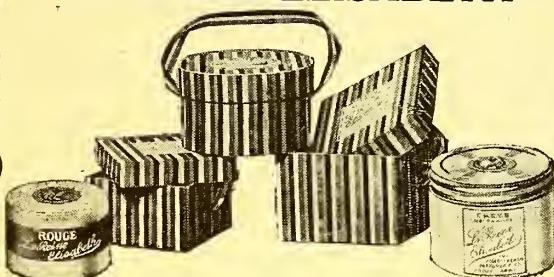
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5 gross	to each	5%
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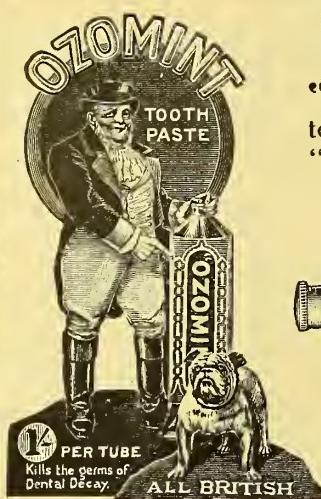
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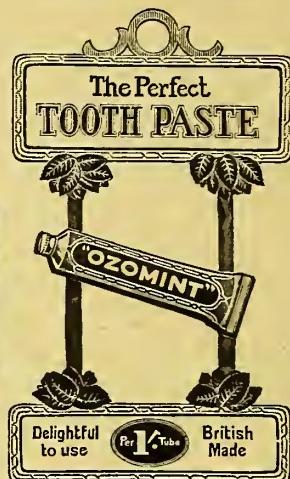


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Winter Issue, 1916, pp. 96, 97.
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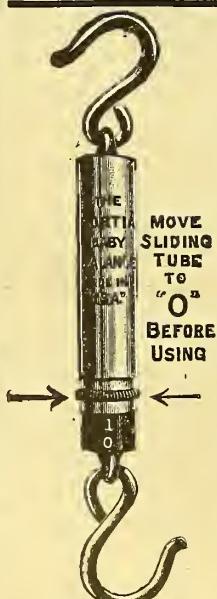
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Weighs up to 15 lb.

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1 1/6
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Retail
1/6
each.



Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,
184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

YOUR FARMER FRIENDS REQUIRE CORVUSINE D.G. The Original and Genuine SEED DRESSING

IN GREAT DEMAND BY ALL FARMERS.
Agencies should be fixed up now in time for Autumn business.
Terms and full particulars from Manufacturers:
HAWKER & BOTWOOD, Ltd., 59 Mark Lane, London, E.C.



KRASKA

THE QUEEN LIQUID
:: NAIL POLISH ::

Highly Profitable.

Sold at all Wholesale Houses
.8/3 11/- 16/6
Per Dozen.

Retailing at
1/- 1/6 2/6
Per Bottle.

Applications for Agencies invited.

The Kraska Co., Ltd.
7 Blenheim St., LONDON, W.



The stock that's sure to move.

Ten million housewives are being informed through the Press that **Iron-mould** is no longer immovable. Think of all these women learning by a series of forceful advertisements in the biggest and most influential fashion and home periodicals that

TRADE MARK

MOOVOL

Regd

Removes Iron-mould, Grass and Fruit Stains, Ink, and that disagreeable Yellow Tinge from old linen without harming the fabric in any way. Think of the demand for Moovol that is sure to come, and decide to put it in stock now. Simply fill in the Coupon, and send it at once. You will receive display material together with the trial stock—and be glad you wrote, when you reap the profit.

**W. EDGE & SONS, LTD.,
BOLTON, LANCS.**
The Drummer Dye People.

ORDER. To WILLIAM EDGE & SONS Ltd.
Please supply the following trial stock of Moovol
(Carriage Paid) together with free batch of
Display Material, Leaflets, etc.
doz. Moovol, 1½ pt. size at 4/-
doz. Moovol, 1 pt. size at 8/-
Signed.....
Address.....

**STAIN
MOOVOL
REMOVER**
NON-INFLAMMABLE
NON-IRRITANT
NON-TOXIC
NON-CAUSTIC
NON-IRRITANT
NON-TOXIC
NON-CAUSTIC
SOLD
EVERYWHERE

7d.



Make your old Hat a new one.

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

**NO GLOSS.
NO POLISH.**

On the P.A.T.A.

Write for terms, patterns also leaflet of testimonials.

"Cuton" HAT DYE

**WHITAKER & CO., COLOUR WORKS,
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London Depot: 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. Est. 1878.
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Have you had Samples of our Brilliantines yet?

We have the finest **Solid Brilliantine** on the market. Packed in handsome Tins. **Protected Price - 6d Wholesale, 3/3 per doz.**

SEND A POSTCARD TO-DAY TO
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Haydon's Bridge, WIMBLEDON.

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YVONNE MEDICATED MEAL

The most exquisite preparations ever offered to the Trade, and which are now being extensively advertised.

YVONNE CREAM is made from a new base only recently discovered, is the most effectual beautifying Cream extant, and is quite distinct from any other preparation on the market.

YVONNE MEDICATED MEAL. Something entirely new, and should be stocked by every Chemist, as we believe in securing the goodwill of the individual Chemist as well as creating a demand through press publicity. We have fixed our prices to allow the Trade $33\frac{1}{3}\%$ Profit on sales, and we think that every Pharmacist will agree that such Profit is very fair upon advertised articles. In addition, for the next few weeks we are making the following **SPECIAL OFFER:**

To every Chemist ordering 1 doz. Yvonne Cream	1/- size at 8/-	Carriage Paid
1 "	"	6d. " " 4/-	
1 "	Yvonne Medicated Meal Pads,	4d. " " 2/9	

we will send, **Gratis**, 1 Gross Yvonne Cream **1d.** Samples, beautifully boxed for Counter display, together with supply of Pamphlets. All orders will be executed in strict rotation.

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SPIRITUOUS PREPARATIONS do not waste when

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BOTTLE CAPS are used. They are Airtight and Spirit-proof. Try one on a Beak or bottle.

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BROOKS, PEEL & CO., LTD.

Makers of Collapsible Tubes and Filling Machines for sams. Patentees of Sprinklers and other Stoppers for Perfumes, Washes, &c. Screw Caps.
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in all sizes suitable for KALIS, CITRATES, DISPENSING, and all FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS, PASTES, AND OINTMENTS.

GREASE PROOF.

For Samples & particulars apply to

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"VASELINE" AND RELIABILITY

"VASELINE" when used in Ointments contains more of the desired elements necessary for a universal base than any other known substance. It has emollient, antiseptic, healing and protective qualities in itself, is not easily acted on by chemicals, and, where properly protected from air and light, does not change. Also, when incorporated with other medicaments, they are not injured by the action of the base. These conditions have long been recognised by the leading Physicians, Surgeons and Pharmacists throughout the world. Animal and vegetable fats, on the other hand, are subject to change, forming various compounds, which destroy the end for which they were intended.

"Vaseline" is the Registered Trade Mark of the

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Complete Price List of all the "Vaseline" Preparations will be sent post free on application.

**SAVE 3/- PER GALLON
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GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF 1916 MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

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Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

**ATKINSON & BARKER'S
ROYAL
INFANTS' PRESERVATIVE**

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON,
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**DOES
NOT
CONTAIN
any
SCHEDULED
POISON.**



Eau de Cologne "RHEIMS" Brand

-/6	Bottles	per doz.	4/6
1/-	"	"	9/-
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Subject to usual 5% discount.

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"Newberry's"
CHARTERHOUSE SQUARE LONDON

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**FINE CHEMICALS OF ALL DESCRIPTIONS.
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Etc. Etc.

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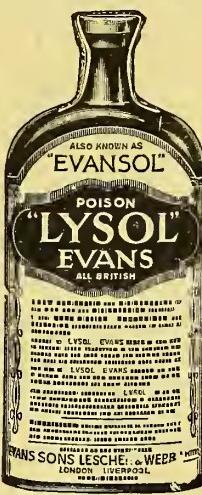
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Made
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Gives
A CLEAR
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IS BEING WELL ADVERTISED TO DOCTORS, NURSES, AND VETERINARY SURGEONS.

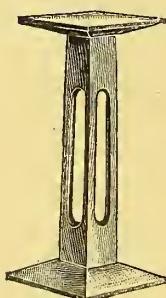
WE WILL GLADLY CO-OPERATE WITH CHEMISTS IN SUPPLYING FREE SAMPLES TO THEIR PROFESSIONAL CLIENTS.

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LONDON and LIVERPOOL.

Striking summer DISPLAYS

are essential to the chemist and druggist who wishes to "pull" in the business, but present real difficulties to the busy man who has lost part of his staff due to the country's call for men. This is where Haskins' Oak Pedestals and Glass Shelves prove a real boon to the overworked retailer, for with very little trouble he can secure a really novel window and can vary the arrangement from week to week.

Write to-day for full particulars and our Chemists' leaflet, Sent free on application.



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OKELL'S ORIGINAL MONA BOUQUET.

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The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

ALSO 3d. SAMPLE BOTTLES.

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EWEN'S LARD

is the ONLY LARD that is made exclusively for pharmaceutical and perfumery preparations and is the BEST AND MOST RELIABLE Guaranteed B.P. Lard on the Market.

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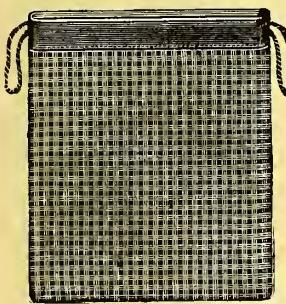
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STAR CHECK. Super Best Quality.

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STAR CHECK. Ordinary Quality. With Pinned edges.

Nos. 1 2 3 4 5 6 7 8.
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STAR CHECK. Ordinary Quality, with ribbon.

Nos. 1 2 3 4 5 6 7 8.
4/3 5/3 5/8 7/3 8/- 9/9 11/9 12/6 doz.

KHAKI TWILL. Extra Super Quality.

Nos. 1 2 3 4 5 6 7 8.
7/6 8/6 10/6 13/6 16/- 19/6 24/- 28/- doz.

"ASEPTUS." Double Proof. Soft velvety finish. Fawn or Ruby.

Nos. 1 2 3 4 5 6 7 8.
7/- 8/9 10/6 12/6 14/9 16/9 19/6 23/- doz.

OIL SILK. Extra Super Quality. Assorted colours, Yellow, Green, Blue or Purple.

Nos. 1 2 3 4 5 6 7 8.
9/6 12/- 14/9 17/6 20/6 24/- 28/- 32/- doz.

ARMY KHAKI SPONGE BAGS.

With Pinned edges, faced with khaki silk prussian. Extra stout Super Army Sheetings.

Nos. 1 2 3 4 5 6 7 8.
6/6 7/9 8/6 10/9 13/- 14/9 18/6 20/- doz.

SILK, SUPER BEST QUALITY.

Assorted colours. Grey, Purple, Green or Ruby. (Dorothy Pattern).

Nos. 1 2 3 4 5 6 7 8.
8/- 10/- 13/6 16/6 18/- 20/- 28/- 36/- doz.

THE "ENTENTE" SPONGE BAGS.

With outside mitred pocket, bound silk prussian. Has a special extra inside flap which can be used as a cover for the sponge in order to prevent leakage from any superfluous water.

KHAKI TWILL.

No. 1. Small size - - dozen 18/-

No. 2. Large .. - - .. 24/-

STAR CHECK, Best Quality.

No. 1. Small .. - - .. 13/9

No. 2. Large .. - - .. 16/6

STAR CHECK, Ordinary quality.

No. 1. Small .. - - .. 12/-

No. 2. Large .. - - .. 14/-

ARMY KHAKI.

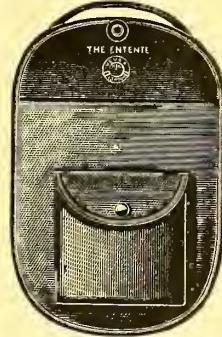
No. 1. Small .. - - .. 18/-

No. 2. Large .. - - .. 24/-

"ASEPTUS," Fawn or Ruby.

No. 1. Small .. - - .. 17 6

No. 2. Large .. - - .. 22 6



THE "VÉVAX" SPONGE WRAPS WITH POCKET.

"VÉVAX." Double Proof "A" Quality, in brown, green, or quaker grey.

16×16" 18×18" 20×20" 22×22" 24×24"
20/- 24/- 30/- 36/- 42/- doz.

"VÉVAX." Double Proof "B" Quality, in brown, green, or quaker grey.

16×16" 18×18" 20×20" 22×22" 24×24"
16/- 19/- 22/6 27/- 32/- doz.

"ASEPTUS." Fawn or Ruby. Double Proof.

16×16" 18×18" 20×20" 22×22" 24×24"
18/- 22/6 27/- 30/- 36/- doz.

STAR CHECK. Super Best Quality.

16×16" 18×18" 20×20" 22×22" 24×24"
13/6 16/6 19/6 24/- 27/- doz.

STAR CHECK. Best Quality.

16×16" 18×18" 20×20" 22×22" 24×24"
12/- 14/- 16/6 18/6 22/- doz.

STAR CHECK. Ordinary Quality.

16×16" 18×18" 20×20" 22×22" 24×24"
10/- 12/- 14/- 16/- 18/6 doz.

KHAKI TWILL. Extra Super Quality.

16×16" 18×18" 20×20" 22×22" 24×24"
18/6 22/6 28/- 32/- 39/- doz.

OILED SILK. Extra Super Quality. Assorted colours: Yellow, green, blue, or purple.

16×16" 18×18" 20×20" 22×22" 24×24"
24/- 30/- 36/- 42/- 51/- doz.

Usual Discounts.

Special Terms for Wholesale and Export.

JUNE 24, 1916

ESTAB.

1859

THE CHEMIST & DRUGGIST

*Summer Issue
July 29, 1916.*

PRICE LISTS & CIRCULARS INSERTED

*For terms apply to
THE PUBLISHER,
42 Cannon Street,
LONDON, E.C.*

BRANCHES: MELBOURNE, SYDNEY, ADELAIDE

When customers ask
for a pleasant preparation
of Liquid Paraffin—supply

TRADE **'LAXAMEL'** MARK

**NOTE
THE JAR**

with the wide mouth which easily admits a spoon and is fitted with a handy lid.

BECAUSE everyone who tastes it likes its pleasant flavour. It wins over the most obstinate child and the most fastidious adult.

BECAUSE it can be given to young babies and feeble adults with perfect confidence.

BECAUSE it produces the full therapeutic effect of liquid paraffin, since it contains about 80% of 'PAROLEINE,' a pure liquid paraffin of the correct viscosity for intestinal lubrication.

'LAXAMEL' is supplied in large glass jars at 18/- per dozen, subject. 'PAROLEINE' is supplied in bottles of 4 fl. oz. at 16/- per dozen, and of 1 lb. at 48/- per dozen, subject.



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Close Prices
for
Quantity.

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scribes it as

"Mr. Benger's
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paration."

**FOOD FOR
INFANTS**



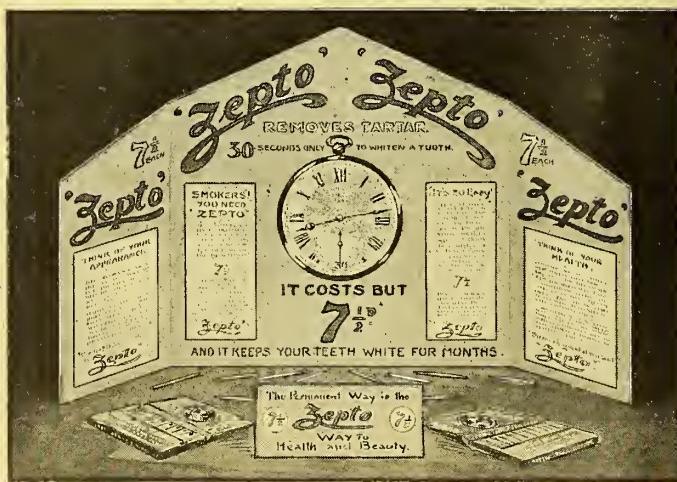
Wholesale of all Wholesale Houses and Shippers
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BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.
Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A.
Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal & Branches.
ON THE P.A.T.A.

The British Medi-
cal Journal says:

"Benger's Food
has by its excel-
lence established
a reputation of its
own."

**INVALIDS
AND THE AGED.**



4/6 doz. 7½d. each.

66 $\frac{2}{3}$ % Profit (P.A.T.A.)

SEND A 6 DOZEN ORDER TO
CHRISTY'S, OLD SWAN LANE, E.C., and
GET IT FREE.

THE
BEST
PAYING
AND
QUICKEST
SELLING
WINDOW
IS A
"ZEPTO"

Can be put up in
10 minutes.

"Zepto" Pencils displace
nothing you sell.

Each Sale means either
9d. or **7½d.**



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary*, 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel : le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Цена годового абонемента : Газета еженедельно и Дневник раз в год 12 шиллингов 6 пенсов съ пересыпкой.

Precio de suscripción anual: el periodico una vez por semana, y el agenda una vez por anno 12s. 6d., franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Corner for Students.

Conducted by Leonard Dobbin, Ph.C.

The May mixture contained potash alum, zinc sulphate, and magnesium sulphate.

The First Prize for the best analysis has been awarded to F. J. DYER, 5 St. Mildred's Road, Westgate-on-Sea.

The Second Prize has been awarded to

E. S. MARTIN, 14 College Gardens, Belfast.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book or books they select.

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We hope to print next week the full report and answers to competitors.

European War News.

Export Notices.

NORWAY.—The exportation of phosphoric acid has been prohibited.

SWEDEN.—The exportation of green vitriol and spent gas-purifying material is prohibited. Iron pyrites has been added to the list of goods which are now prohibited for exportation from and for transit through Sweden.

Enemy Firms to be Wound Up.

Orders have been made by the Board of Trade, requiring the following businesses to be wound up:

Bœswax Co., Ltd., 2 Rangoon Street, Crutched Friars, London, E.C., wax-manufacturers. **Controller:** J. Cooper, Capel House, 54 New Broad Street, London, E.C.

Quadruplex, Ltd., 67 Great Russell Street, London, W.C., manufacturers of cooking-stoves, etc. **Controller:** N. W. Wild, Broad Street Avenue, London, E.C.

Economic Conference of the Allies.

The official report has been issued by the Board of Trade of the Economic Conference of the Allies which was held on June 14 to 17 in Paris. The Conference was called to consider the steps to be taken to prevent the Central Powers from carrying out after the war their declared intention of establishing a domination in the world's trade and of imposing on other countries an intolerable yoke. The report deals with the recommendations under the following headings: (A) Measures for the War Period; (B) Transitory Measures for the Period of Commercial, Industrial, Agricultural, and Maritime Reconstruction of the Allied Countries; (C) Permanent Measures of Mutual Assistance and Collaboration Among the Allies. Section A aims at devising of joint means to secure to countries suffering from acts of destruction, unjust requisition, the restoration of their raw materials, industrial and agricultural plant, stock, and mercantile fleet, or to assist them to re-equip themselves in these respects. The denial to the enemy Powers, for a period to be fixed by agreement, of "most-favoured-nation" treatment. Conservation for, and interchange between, the Allied countries of their natural resources. The devising of protective measures against enemy "dumping", and for preventing enemy subjects in Allied countries from engaging in industries which concern national defence or economic independence. Section B we give in full:

I.—The Allies decide to take the necessary steps without delay to render themselves independent of the enemy countries in so far as regards the raw materials and manufactured articles essential to the normal development of their economic activities.

These measures should be directed to assuring the independence of the Allies not only so far as concerns their sources of supply, but also as regards their financial, commercial, and maritime organisation.

The Allies will adopt such measures as may seem to them most suitable for the carrying out of this resolution, according to the nature of the commodities and having regard to the principles which govern their economic policy.

They may, for example, have recourse either to enterprises subsidised, directed, or controlled by the Governments themselves, or to the grant of financial assistance for the encouragement of scientific and technical research and the development of national industries and resources; to Customs duties or prohibitions of a temporary or permanent character; or to a combination of these different methods.

Whatever may be the methods adopted, the object aimed at by the Allies is to increase production within their territories as a whole to a sufficient extent to enable them to maintain and develop their economic position and independence in relation to enemy countries.

II.—In order to permit the interchange of their products, the Allies undertake to adopt measures for facilitating their mutual trade relations both by the establishment of direct and rapid land and sea transport services at low rates, and by the extension and improvement of postal, telegraphic, and other communications.

III.—The Allies undertake to convene a meeting of technical delegates to draw up measures for the assimilation, so far as may be possible, of their laws governing patents, indications of origin, and trade-marks.

In regard to patents, trade-marks, and literary and artistic copyright which have come into existence during the war in enemy countries, the Allies will adopt, so far as possible, an identical procedure, to be applied as soon as hostilities cease.

This procedure will be elaborated by the technical delegates of the Allies.

Miscellaneous.

THE SHEFFIELD JOINT COMMITTEE ON RECRUITING met on Tuesday and drew up a list of men considered to be indispensable for National dispensing.

U.S. BELGIUM FUND.—The bazaar held in New York recently by the Committee of which Mr. S. W. Fairchild is Chairman yielded a million dollars to the Belgium Fund.

EXEMPTION OF CHEMISTS' ASSISTANTS.—The lists which were submitted to the Insurance Commissioners by certain chemist companies of employés for exemption from military service have been remitted to the Local Joint Committees for their advice.

ENEMY TRADERS.—The Foreign Trade Department has issued a new list of additions to the statutory list of firms of enemy nationality or enemy association with whom persons in the United Kingdom are forbidden to trade. It contains fifty-nine names, twenty-eight of which are in Spain, nine in Greece, and nine in Portugal.

THE WAR OFFICE say they require 100 pharmacists (Ph.C.s!) or dispensers of medicine for service with the R.A.M.C. at the ordinary rates of pay. They should pick them out from the many hundreds who have enlisted, but have had little, if any, dispensing to do since they joined the Army. We observe that Captain Walkley, of the Manchester Recruiting Staff, wants as many of the hundred as he can get in Manchester, and our Blackburn correspondent sends us a report of a meeting on Tuesday evening of the Insurance Committee and the Pharmaceutical Commission, to consider a War Office telegram asking for the hundred. The Insurance Committee's Clerk was instructed to circularise likely people about the matter.

COMMITTEE ON PRICES.—The President of the Board of Trade has appointed a Committee, consisting of the Right Hon. J. M. Robertson, M.P. (Chairman), Mrs. Pember Reeves, Mr. W. C. Anderson, M.P., Professor W. J. Ashley, Mr. John Boland, M.P., Mr. Thomas Brodrick, Sir Gilbert Claughton, Bart., Mr. J. R. Clynes, M.P., Mr. R. E. Prothero, M.P., Mr. Thomas Shaw, J.P., and Sir W. Capel Slaughter, to investigate the principal causes which have led to the increase of prices of commodities of general consumption since the beginning of the war, and to recommend such steps, if any, with a view to ameliorating the situation as appear practicable and expedient, having regard to the necessity of maintaining adequate supplies. Mr. E. C. Ramsbottom, of the Board of Trade, will act as Secretary.

Military Tribunals' Decisions.

The following is a selection of the cases of trade interest which have been reported since our last issue:

BATH.—Davies & John, chemists, appealed for exemption for Mr. W. B. Lloyd, Ph.C., and Mr. R. M. Davidson. Mr. Lloyd was granted three months' conditional exemption and Mr. Davidson two months.

BERMONDSEY.—Conditional exemption was granted to an assistant employed by Mr. Haley P. Hogwood, chemist and druggist, Rotherhithe. Exemption was also granted to the electrical engineer and to the foreman of the evaporating-plant in the saltpetre department of Brandram Bros. & Co., Ltd. The head laboratory attendant with Pilchers, Ltd., Morgan's Lane, Toolcy Street, S.E., was also granted exemption, as was Mr. A. B. Bradley, works chemist at Peck, Frean & Co., Ltd., biscuit-manufacturers.

BILLINGBOROUGH.—Mr. W. R. Creasey, chemist and druggist, was given conditional exemption by the Bourne Rural Tribunal.

BROMLEY (KENT).—Three months' exemption was granted to Mr. Arthur Hall, assistant to Mr. John Timmis, chemist and druggist, and to Mr. F. H. Farrar, with Mr. R. C. Davenport, chemist and druggist.

BYFLEET.—Conditional exemption was granted to Mr. C. F. Johnson, assistant to Mr. S. B. Mess, chemist and druggist.

DOVER.—Exemption was refused for Mr. W. J. Aldous, an unqualified assistant with the Timothy White Co., Ltd., although the case was recommended by the Kent Insurance Committee. Conditional exemption was granted to Mr. S. D. McQueen, chemist and druggist, with the same company.

GLASGOW.—An appeal in respect to James Davidson, assistant to Cockburn & Co., Ltd., chemists, was heard on June 19; but the Military Representative told the Sheriff that Messrs. Cockburn's appeals had all been withdrawn. The Sheriff advised Mr. Davidson to do his best to get his personal appeal resuscitated in the lower court.

HASTINGS.—Three months' exemption was granted to Mr. W. Wheelhouse, a dispenser at the St. Leonards branch of Boots, Ltd.

HEREFORD.—Conditional exemption was granted to Mr. E. M. Whiting, chemist and druggist, with Chave & Jackson, Ltd.

HERNE BAY.—Exemption until September 30 was allowed to Mr. Chas. Philip, chemist and druggist. Mr. Philip's two sons are serving the country.

ILMINSTER.—Mr. Harold J. Parsons, chemist and druggist, was granted conditional exemption.

LEWISHAM.—Six months' exemption was granted to the dispenser employed by Dr. J. E. B. Burroughs. The Chairman suggested that the prescriptions could be dispensed by the local chemists, and Dr. Burroughs said that this might be practicable so far as private patients are concerned, but it would cost public authorities a good deal more to make arrangements with chemists for dispensing.

MARKET DEEFING.—Conditional exemption was granted to Mr. H. C. A. Gower, chemist and druggist.

MILFORD HAVEN.—Mr. W. F. Johnson, chemist and druggist, was granted absolute exemption.

MOLD.—Six months' exemption was granted to Mr. Arthur Evans, chemist and druggist.

MORSCAMBIE.—Exemption was refused to Mr. Horace Stevens, chemist and druggist, at the Lonsdale Tribunal. In reply to the Military Representative, Mr. Stevens said his partner carries on another business at Heysham, and it would not be legal to carry on the Morecambe shop without a chemist in charge. Mr. Briggs, chemist and druggist, Mayor of Morecambe, who was a member of the Tribunal suggested that Mr. Stevens might make more in the Army as they are advertising for chemists.

NEWPORT (I. OF W.).—Mr. P. H. Millidge, Ph.C., in business with his father, was granted conditional exemption; and one month's exemption was allowed to T. Rackett, storeman and assistant to Messrs. Millidge.

OAKHAM.—Mr. W. H. Ellingworth, carrying on the business of a chemist and druggist, was granted three months' exemption.

OLDHAM.—Mr. T. Marlor, chemist and druggist, appealed for exemption for his assistant. Exemption was granted until August 1.

PETERHEAD.—Mr. James Simpson, chemist and druggist, Peterhead, appealed at Aberdeen against the decision of Peterhead Tribunal refusing exemption for James S. Davidson, his apprentice, employed in his head shop. The appeal was dismissed.

RXDE.—Conditional exemption was granted to Mr. George Nicholson, chemist and druggist, Pier Street.

SOUTHWARK.—Oxo, Ltd., Thames House, Queen Street Place, E.C., applied for the exemption of their works chemist, who was granted conditional exemption on joining the Volunteer Training Corps.—Shirley Bros., Ltd., Newington Causeway, S.E., applied for the exemption of six men. Mr. Shirley said his company is doing important Government work in the supply of drugs and dressings for the troops. The decision of the majority of the Tribunal was that all the men should have conditional exemption with the exception of the works manager, who is single and twenty-five years of age.—Boots, Ltd., 80 Borough Road, S.E., applied for the exemption of eleven employés. All were granted conditional exemption with the exception of the motor-driver, who is a single man eighteen years of age.—Stevens & Co. Ltd., chemists, 97 Borough High Street, S.E., were granted conditional exemption for Mr. Herbert King, chemist and druggist.—H. E. Stevenson & Co., Ltd., wholesale export druggists, 122 Great Suffolk Street, S.E., were granted three months' exemption for Mr. E. A. Lidstone in charge of the laboratory.

SPALDING.—Exemption until December 31 was granted to Mr. James Epton (Shadford & Co.), chemist and druggist, Market Place.

TOTLAND.—Mr. J. T. Webb, chemist's assistant, was exempted until September 9 by the Hampshire Tribunal.

WEYBRIDGE.—Conditional exemption was given to Mr. A. J. Ramage, chemist and druggist, with the Timothy White Co., Ltd.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

THE OXFORD DRUG CO., LTD. (proprietors of May's Drug Stores), have removed from 132 High Street to The Arcade, Corn Market, Oxford.

THE BUSINESS of Dix, Lancaster & Co., chemists and druggists, 8 High Street, Croydon, has been purchased by W. E. Matthews, Ltd., and amalgamated with their pharmacy at 40 George Street.

MR. W. ROBERTS has purchased the business of M. J. Maithaei & Co., chemists and druggists, 12 Cullum Street, London, E.C. Mr. Roberts was manager to the company for six years, but joined the Colours on the outbreak of war. During his absence Mr. J. W. Bayne, pharmacist, will act as manager.

The Salvarsan Patents and Trade-marks.

AT the Patent Office on June 16, Mr. W. Temple Franks (the Comptroller-General) and Sir Cornelius Dalton heard an application of Evans Sons Lescher & Webb, Ltd., Liverpool, for the suspension of trade-marks 310235 ("Salvarsan") and 340387 ("Neo-salvarsan"), and for a licence to use patents 3934/07, 13485/10, 5598/11, 7865/12, and 8219/12, under which salvarsan and neo-salvarsan are made, which trade-marks and patents belong to the Farbwerke vormals Meister, Lucius & Brüning.

Mr. H. A. Colefax, K.C., instructed by McKenna & Co., in making the application, said that licences have already been granted to Burroughs Wellcome & Co., and Poulen Frères, whose agents in England are May & Baker, Ltd. Evans Sons Lescher & Webb are a well-known company of manufacturing chemists which has been investigating the preparation of salvarsan, the experiments being carried out by Dr. Kay and Dr. Annett. Dr. Kay is the grantee of patent 6322/15, which deals with the manufacture of *p*-oxyphenylarsinic acid, one of the intermediate products in the manufacture of salvarsan. The company, with a capital of £55,000, has works in London and at Liverpool and Runcorn. That there is need for further supplies of these products is shown by the prohibition to export, which indicates that there is not a sufficient supply for home use. Burroughs Wellcome & Co. are also unable to supply kharisyan for export, and May & Baker (Poulen's agents) are only able to quote "without engagement," this information having been elicited by means of letters and a telegram.

The Comptroller said it is not desired to introduce too much competition in this manufacture, because it would not then be worth while for any one firm to take up the manufacture properly.

Mr. Colefax said he appreciated the point, but contended that the demand for the products is unsatisfied. The applicants have also carried out considerable research-work on these bodies.

Mr. T. E. Lescher, who gave evidence, said the company's bacteriological works are at Runcorn, and Dr. Annett is the chief bacteriologist. The demand for salvarsan is likely to increase owing to the decision of the Government to make grants to local authorities so that salvarsan can be supplied to poor persons.

Mr. Potts, for Poulen Frères, in cross-examination, stated that May & Baker have been able to fill all definite orders and have supplied thousands of tubes to the Crown Colonies.

Dr. F. W. Kay, the next witness, said he has specialised in organic chemistry, and has been investigating the processes of making salvarsan since October 1914. The patent he had taken out for one of the intermediate products is a method which improves the yield of *p*-oxyphenylarsinic acid. In reply to the Comptroller, witness said he thought that if a licence were granted it is contemplated to make 500 grams—about a thousand doses—per week.

Mr. Potts here informed the Comptroller that Poulen Frères have commenced making salvarsan in England, although none of the British-made product had yet been sold.

Dr. Annett also gave evidence, referring to the report of the Royal Commission on Venereal Diseases as showing that the demand for salvarsan is likely to increase. The Run-corn laboratory undertake the diagnosis of syphilis.

Mr. Potts said Poulen Frères have no desire to adopt a dog-in-the-manger attitude, but he thought that the terms of the licence, if granted, should not be more favourable than had been granted to his clients. He pointed out that salvarsan and neo-salvarsan are not the only products used in the treatment of syphilis.

The Comptroller said he thought the limit had hardly been reached in the number of licences granted.

Mr. Imray, for the owners of the trade-marks, asked that the labels should clearly indicate the manufacturer's name.

Mr. Colefax thought the evidence had shown that there is scope for at least three makers of salvarsan, especially in view of the extending demand. Mr. Potts' opposition he characterised as benevolent, and he pointed out that, although representatives of the other licensee were in court, no opposition had been made.

The Comptroller said the decision would be made known at a later date.

CANADIAN ACETONE.—The High Commissioner for Canada is informed by cable that there is to be erected near Joliette, Quebec, on the line of the Canadian Northern Railway, a factory for the manufacture of acetone by a new process.

The Bromural Patent.

ON June 21 Allen & Hanburys, Ltd., Plough Court, Lombard Street, London, E.C., applied for a licence to use patent 942/07—"Chemical compounds for use in medicine and pharmacy and process for manufacture of same"—belonging to M. Daege, H. Knoll, and A. Knoll. Mr. T. McKenna, who made the application, said the patent concerns the manufacture of bromural, a chemical of the veronal class, but less dangerous. Applicants were not asking for the use of the trade-mark name. Since the war the supply of bromural has ceased, and it is badly required for the use of hospitals and private medical men. The patent refers to the final stage in the manufacture. The three stages are (1) the manufacture of *a*-bromisovaleric acid, (2) urea, (3) the treatment of the *a*-bromisovaleric acid and urea by the processes referred to in the patent. The selling-price of bromural before the war was 4s. per oz., but applicants estimated that to cover the manufacture under present conditions the price would have to be 8s., to which would have to be added any royalty which the Board of Trade decided should accrue. He suggested that this be fixed at 6d. per oz. Allen & Hanburys, Ltd., did not wish to undertake the manufacture of this chemical from the point of view of making large profits, but to be in a position to supply the demands for the drug.

Mr. Norman Evers, B.Sc., F.I.C., chemist to applicants, then gave evidence. Part of the increased cost of the drug would be on account of the special plant required for its manufacture. In answer to Sir Cornelius Dalton, witness said the manufacture could be commenced within a month of the grant of the licence.

Mr. A. S. Cachemaille, representing Mr. Hammond Jeffrey, who is purchasing the assets of Knoll & Co., Ltd., an enemy company in process of winding-up by the Board of Trade, said the agreement to purchase appears to include interests in any patents connected with the business. Knoll & Co., Ltd., marketed the products of the German company in this country, but did not manufacture here.

The Comptroller: It is the goodwill of the selling-agency which you are purchasing.

Mr. Cachemaille: We had the right to manufacture here.

Sir Cornelius Dalton: Any rights under the patents are subject to recent legislation. The expression in the agreement, "machinery, trade-marks, and so forth," does not take the patents out of the purview of the Temporary Rules Act.

Mr. Cachemaille then called attention to another clause, which reserved to the purchaser the "rights of any patents which may to any extent be the property of the company."

The Comptroller said the German patent rights could not be sold if they were not in the hands of the business here. No licence has been registered at the Patent Office, and even if that were so it is probable that any licence to make or sell has gone by the action of the war. The selling-business exists in the *clientèle*. It is a doubtful legal point as to whether a licence to manufacture can be sold, even if it could be shown to exist.

Mr. McKenna pointed out that the articles of association of Knoll & Co., Ltd., do not assign any patents.

Sir Cornelius Dalton said that no licence to manufacture has been registered with the office; patent rights cannot be assigned by deed.

Mr. Cachemaille produced the minute-book of Knoll & Co., Ltd., in which a reference was made to the patents, which he contended was a "parole or implied licence."

The Comptroller: In the purchase of the business these things were doubtless taken into account, but we are not here called upon to decide whether Mr. Jeffrey has paid too much, but to consider whether it is in the public interest to grant a licence for the manufacture under a patent.

Mr. McKenna pointed out that the business is not yet sold; what Mr. Jeffrey appears to have purchased is the stock. No assignment of the patent has been registered, and it is not even suggested that Mr. Jeffrey is going to make bromural. He has not even acquired the business yet. What opponents say does not affect in the least the grant of a licence to Allen & Hanburys, who are not asking for an exclusive licence.

The Comptroller: We consider that the manufacture of important drugs should not be allowed exclusively to one firm.

Sir Cornelius Dalton, who had been studying the transfer-deed of the business of Knoll & Co., Ltd., here called attention to the fact that Mr. Cachemaille, in quoting the paragraph about the rights in any patents, had not completed the clause, which went on to state that these were "in conjunction with diuretin and styptol." No reference at all was made to the bromural patent.

Mr. F. W. Gamble, a director of Allen & Hanburys, Ltd., and manager of the West-end business, then gave evidence as to the demand which exists for bromural. This has diminished since the war, for the reason that medical men, thinking it cannot be obtained, are not ordering it. The demand would soon be re-created if it could be supplied. He considered it somewhat of a reproach to English manufacturers that they have not made this chemical. It was proposed to sell it under the registered name "dormigene."

Mr. McKenna: I always advise my clients not to perpetuate the German names.

The Comptroller: Yes, but the public have got so used to the German names that they will not take anything else.

In further conversation it was stated by Mr. Cachemaille that Mr. Jeffrey has been with Knoll & Co. for eleven years, and for the last twelve months has managed the London business.

The decision of the Board of Trade will be made known later.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Parcel-post to Russia.

The Post Office announces that in consequence of the restrictions which have been placed upon the use of the Port of Archangel it is not practicable to resume the despatch of parcel-mails to Russia by the Archangel route. Accordingly parcels will again be accepted for transmission by post to Russia-in-Europe via Canada and Japan at the rates of postage shown in the relative entry at p. 818 of the "Post Office Guide." Licences issued by the Privy Council authorising the exportation of goods by parcel-post to Russia via Archangel may be utilised without amendment for the route to Russia via Canada and Japan, provided the licence is still valid. Information regarding the transmission of goods to Russia otherwise than by parcel-post can be obtained from the Commercial Intelligence Branch of the Board of Trade, 73 Basinghall Street, London, E.C.

Contracts for Drugs, etc.

Camberwell Guardians have been recommended to accept the following tenders for periodical supplies: Apothecaries' Society, drugs, tinctures, carbolic acid, etc., for three months; Smith & Nephew, 200 gals. cod-liver oil, for twelve months; Lysol, Ltd., lysol, for twelve months; Berton, Ltd., twelve months' supply of tow, cyanide gauze, iodoform gauze; S. Maw, Son & Sons, twelve months' supply of cotton-wool, jaconet, drab; Robinson & Sons, twelve months' supply of absorbent lint, cotton-wool, boric lint, iodoform gauze; Smith & Nephew, twelve months' supply of bandages (white, 3-in., 2½-in., do, grey, 3-in., 2½-in.), tow, white non-sterilised absorbent gauze. The Board is also recommended to continue, until Midsummer 1917, the existing contract with S. Maw, Son & Sons for surgical sundries, they allowing a discount of 10 per cent. off their current price prevailing at the time orders are given. In respect of the purchase of instruments above the value of 1*l.*, Maw's prices, however, will be first compared with the prices of certain selected firms, and the lowest accepted.

War Office Contracts.

The following contracts were made during May: *Bacteriological apparatus, chemicals, etc.* (term contract), A. H. Baird, Chloride of lime, United Alkali Co., Ltd.; Combs; hair, Aberdeen Comb Works Co., Ltd.; *Dental outfits*, C. Ash, Sons & Co., Ltd.; *Dental Manufacturing Co.*, Ltd.; Elliott & Co. (Edinburgh), Ltd.; F. Lepper, Ltd.; *Disinfectants*, Heppell & Co. *Ferrous sulphate, crushed*, Essex Chemical Co., Ltd.; *Fluwatchers*, F. W. Hampshire & Co., Ltd.; Kay Bros., Ltd.; Watson & Co. *Glycerin*, Price's Patent Candle Co., Ltd.; Universal Oil Co., Ltd.; *Medicines*, The British Drug Houses, Ltd.; Brook, Parker & Co., Ltd.; Davies, Sons & Co.; Howards & Sons, Ltd.; Parke, Davis & Co.; Southall Bros. & Barclay, Ltd.; Standard Tablet & Pill Co., Ltd. *Methylated spirit*, B. Biggs & Co., Ltd.; Waters & Co., Ltd. *Photographic stores* (term contract), Houghtons, Ltd. *Surgical instruments and materials*, Allen & Hanburys, Ltd.; M. Bailey & Co.; Cixson, Gerrard & Co., Ltd.; J. L. Hartwick & Co., Ltd.; S. Maw, Son & Sons; G. F. Merson & Co.; Southall Bros. & Barclay, Ltd.

Birmingham.

The newer members of the local Association who have acquired shops in Birmingham and district have in many cases special experience in company shops, and are adopting their methods to cope with the ever-increasing keenness of competition.

On Friday, June 16, an outbreak of fire occurred on the premises of F. H. Prosser & Co., Ltd., manufacturing chemists, at the corner of Spring Hill and Steward Street. A portion of the front building fell into the street. An upset spirit-lamp caused the fire.

The arrangement by which the pharmacist is dispensing prescriptions for the out-patients of the public hospitals and similar institutions is working smoothly and promises to be a source of interest and profit. The patients pay for the medicine themselves, thus raising the work from a charitable plane.

The pharmacist is at his wits' end to get really good assistance in his shop. He complains very much of the want of efficiency and business acumen which the present assistant possesses, and finds that with careful training and supervision the lady-help is making great progress, and is come to stay until—until she is captured by some lovesick swain of a customer, which is a danger.

Hedges & Co., chemists, Dale End, have in their Arcade branch-shop window a unique display of sponges. Two huge cup sponges filled with minor ones are on each side of a sponge-made John Bull type of man, and the legend over a lot of good-looking sponges is "Only — each while they last." They are not likely to be in the window long, and will certainly last a long time as far as wear goes.

Liverpool.

A mild sensation has been caused among pharmacists' assistants by an appeal for volunteer dispensers for Mesopotamia.

Mr. T. G. Foster, chemist and druggist, from Budden's branch in West Derby Road, has opened a pharmacy in Belmont Road, Anfield, Liverpool.

"If it's American we sell it" can be read in large type in the window of a pharmacy near the leading hotels patronised by visitors from the States.

Rapidly variable temperature has led to considerable demands for both summer and winter drinks and the medicines of the two seasons on the same day.

More frequent window-dressing continues to be observable, with signs of brisk competition between pharmacists and central-area grocers in lines for soldiers and sailors.

By way of protest against the monotony of the lines of lettering to be seen in the average pharmacy, and as an experiment, a local pharmacist placed in his window notices printed in wavy, switchback, and other unconventional forms. Increase of business has ensued.

Sheffield.

Lieutenant-Colonel Mackinnon, the Secretary of the Panel Committee, has been mentioned in despatches.

Notices have been posted under the new rules of the local Society asking for nominations for the forthcoming Council-election.

Mr. T. B. Burdekin, of Bellhouse Road, Firth Park, has a very fine display of Icilma and other toilet-articles, which cannot fail to attract attention.

Mr. P. Preston, of 105 Barkers Pool, has been exhibiting specimens of chemical glassware and the glass-industry generally at the Arts and Industrial Exhibition at Whitton Moor, of which Mr. C. H. Twelves, pharmacist, is President.

Miscellaneous.

PARCELS for transmission by post to New Zealand, Samoa, and Tonga must not after June 30 exceed 4 ft. in length and girth combined; 6 ft. by 4 ft. are the present limits.

HENRY PERCY JELLEY, L.M.S.S.A., 174 High Street, Homerton, N.E., known as "Hackney's Threepenny Doctor," was committed for trial on June 19, on the charge of performing an illegal operation on Mrs. Elizabeth C Marsh, Stoke Newington, who died from septic poisoning following abortion.

LEONARD THOS. WILCOX (18) was remanded at the Mansion House Police Court, London, on June 20, on charges of frequenting the City for the supposed purpose of committing a felony, and, further, for unlawfully inciting Arthur Stevens and Frederick Price to steal the goods belonging to their employers, May, Roberts & Co., Ltd., Clerkenwell Road.

HERB-GROWING.—At the Caxton Hall, Westminster, on June 20, Mr. E. M. Holmes, Ph.C., F.L.S., lecturing on the cultivation of medicinal plants, suggested that large landowners should lay out their lands for the cultivation of herbs and plants, so as to retain in this country a trade which, before the war, was largely in the hands of Germany and America.

COUCH-GRASS.—The "Daily Sketch" has reported that firms in the Isle of Wight are rejoicing to learn that drugists are paying 25*l.* per ton for couch-grass, as the result of

which a new industry has been established. As a matter of fact, a few tons of couch-grass is all that is needed; it must be prepared ready for sale, and is not worth more than 25/- a ton in London.

COMPENSATION FOR INJURIES.—The case of Mrs. Whitehead v. W. Robinson & Sons, Ltd., under the Workmen's Compensation Act, came before the Registrar at the Chesterfield County Court on June 15. A trade union had negotiated for the plaintiff and an insurance company for the defendants, the result being an award of 50/- to the plaintiff, a weaver, who received her injuries while at work.

ASSOCIATION OF BRITISH CHEMICAL-MANUFACTURERS.—Progress is being made in the establishment of this Association, the preliminary meeting in regard to which was reported in the *C. & D.*, May 27, p. 41. A further meeting was held at Burlington House on June 22, when the draft constitution of the Association was under consideration. It was reported that considerable interest is being taken in the movement by chemical-manufacturers.

PROHIBITED EXPORTS.—At the Thames Police Court on June 15, two Dutch seamen were sentenced to two months' imprisonment for attempting to export 36 lb. bleaching-powder. It was stated that a special search was made of all boats going to Holland for chloride of lime, and large quantities had been found.—At Tower Bridge Police Court on June 15, a Dutchman and a Belgian, both seamen, were fined 5/- each for a similar offence. There had been eighteen similar prosecutions.

Poisonings.—During the past week reports have been received of the following poisoning cases: At Harrogate a young woman named Deighton, who suffered from depression, took mercury perchloride with fatal effect. At Bideford, liniment taken in mistake for internal medicine caused the death of a young woman named Rank. At Lancaster, John Hargreaves, son of a florist, in a fit of depression, took some "Compete Nicotine," a fumigator manufactured by G. H. Richards, London, with fatal results. At the inquest a verdict of suicide while of unsound mind was returned.

TABLE-WATERS TAX.—Mr. S. Henry Smith, Ph.C., Leamington Spa, writing to the "Daily Telegraph," says: "As a distiller of water I have received the attention of the Excise officials. After referring to headquarters, they have given me the following instructions: I am to pay the table-water tax on all distilled water sold for every purpose except breaking-down spirits. I am further instructed that the duty is to be charged on all sold for motor-accumulators, washing-purposes, and dispensing medicines. In practice this means chaos." [This is certainly more than is indicated in the Excise circular, which confines the duty to "table-waters," and does not extend it to, e.g., aqua destillata purchased by retail pharmacists for dispensing-purposes. We understand, however, that the matter is under the consideration of the Board of Customs and Excise.—EDITOR *C. & D.*.]

"THE COCAINE CURSE" was the title of the first of a series of articles in the London "Evening News." "A Physician" wrote the first article, and in a second it is stated that many letters had reached the Commissioner of Police on the spreading of cocamania in certain parts of London. A third article dealt with how America has suffered from "the cocaine curse," this being based upon three cinematograph films, one of which is now being shown in London. A question on the subject has since been asked in the House of Commons. "The Times" Medical Correspondent, referring on June 22 to Mr. Griffiths' question, said the Army Council Order "is not enough. The whole trade requires regulation, for smuggling is profitable when the demand is imperative. Very heavy penalties should be attached to the unlawful possession of cocaine, and the employment of the drug should be forbidden to any but duly qualified doctors and dentists." This indicates how badly informed "The Times" is occasionally.

"THE CHEMISTS' DICTIONARY OF MEDICAL TERMS" has run into a third edition, which has been revised by an eminent practitioner. It contains over 310 pages, with hints on treatment and many other matters useful to chemists. Price 3s., by post 3s. 4d., from the *C. & D.*, 42 Cannon Street, London, E.C., or from your wholesale house.

PROFESSOR DR. WALTHER NERNST, one of the honorary and foreign Fellows of the Chemical Society of London, lecturing in Berlin, discussed the present position of German industry. He declared that Germany and Austria-Hungary possess unlimited supplies of iron and coal and by-products of coal, and that they have sufficient cotton "for a long time." He said that promising experiments are being made in the manufacture of substitutes for fodder. At the same time he warned the public against expecting science to do "impossible things."

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

At Newry Children Court, a twelve-year-old boy named Joseph Poacher, Thomas Street, Newry, was summoned for having maliciously broken a plate-glass window, value for 12/-, in the establishment of S. Connor & Sons, chemists, 19 Hill Street. The evidence showed that a stone which the defendant had thrown at another boy missed him and struck the window. The Court dismissed the case.

Mr. Wm. P. J. Gannon, M.P.S.I., has purchased the business carried on for many years by the late Mr. George Diamond, M.P.S.I., at the Medical Hall, Maryborough, where he served his apprenticeship. Mr. Gannon has been for many years in the employment of Hamilton, Long & Co., Ltd., first in their Clontarf branch, subsequently as manager of their Kingstown branch, and latterly as manager at their head establishment at 3 Lower Sackville Street, Dublin.

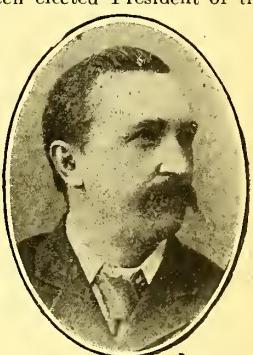
Mr. W. F. Ellis, Second-Lieutenant, 8th Royal Inniskilling Fusiliers (16th Irish Division), has been awarded the Military Cross for conspicuous gallantry. Mr. Ellis served his apprenticeship with Hayes, Conyngham & Robinson, Ltd., pharmacists, Dublin, and at the time of his enlistment was managing their Elgin House Pharmacy, Ballsbridge. He is a pharmaceutical chemist. He enlisted as a cadet in the Cadet Corps attached to Kilworth Camp, co. Cork, in March 1915, subsequently obtaining his commission.

The Dublin Retail Drug Association publishes a retail price-list which is being well received by the drug-trade in Ireland. It is estimated that, excluding Belfast, which has an Association of its own, two-fifths of the chemists in Ireland are members of the Association and employ the price-list referred to. Lists of alterations and additions to the list are sent out at intervals. This is an outcome of the desire to promote uniformity in the prices of drugs, proprietary articles, and druggists' sundries, which was one of the objects of the foundation of the Association.

On June 19, in the King's Bench Division, Dublin, before Mr. Justice Pim, in the case of Austin Rooney v. Hamilton, Long & Co., Mr. J. M. Whitaker applied to have a consent made a rule of court. The action was brought to recover damages for personal injuries caused by the alleged negligence of a bicycle messenger in the employment of the defendant company. The consent provided that the action should be stayed on the payment by the defendant company of 175/- for damages, 10/- 10s. for medical expenses, and 25/- for costs. Mr. Justice Pim made the consent a rule of court.

The Newest President.

Mr. I. W. Nicholl, Ph.C., the Medical Hall, 25 High Street, Belfast, who has just been elected President of the newly formed North Irish Pharmacists' Association, is well known to a wide circle of pharmacists from his attendance year by year at the British Pharmaceutical Conference. He was apprenticed to Grattan & Co., Belfast, and remained with them for over fifteen years. In 1881 Mr. Nicholl commenced business at his present address, and has conscientiously carried out his ideals of how the pharmaceutical calling should be conducted. The business has grown steadily until it is one of the best known in the city. Mr. Nicholl's chief amusement and hobby in life has been music. He was organist and choirmaster of St. Anne's Cathedral, Belfast, for over thirty years, and since he resigned that post has been a member of the Cathedral Board, and filled practically every office open to a layman. Mr. Nicholl has always had a turn for mechanics, and was the first in Belfast City to drive his own motor-car. He has followed the developments in the motor, and always takes a pride in having an up-to-date car.



MR. I. W. NICHOLL.

SOLUTOL is a new antiseptic introduced by Von Heyden. It is a cresol-sodium preparation, and chiefly of value for veterinary purposes and as a disinfectant.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Edinburgh.

The "Evening News" printed last week a doctor's impressions of Edinburgh in war-time, the last passage in it dealing with the cost of drugs. The increases in synthetic chemicals, bromides, potassium permanganate, belladonna, cocaine, cod-liver oil, and quinine were specially marked.

There has been stir among panel doctors in the East of Scotland. The Checking Bureau has been at work, with the result that Insurance Committees have issued letters to doctors calling attention to supposed excessive prescribing. A humorous doctor has calculated his remuneration in a particular case for which he has been censured. It works out at 0.3d. per visit!

Glasgow.

Mr. J. P. Gilmour has resigned membership of the Glasgow Insurance Committee.

Replies to chemists' assistants in the "Answers to Correspondents" in daily newspapers have been numerous of late. They are mostly of a military nature.

Cherists' windows this week are devoted in the main to soldiers' requisites. Owing to postponement of the Fair, the usual holiday displays are being held over till August.

The executive of the 'Boys' Brigade have agreed to organise a bottle-collection for Glasgow district, on behalf of the Discharged Wounded and Disabled Soldiers' and Sailors' Fund.

The representative of a large wholesale house, referring to the scarcity of qualified men, says: "We have inquiries to right of us, to left of us, and in centre, but there's absolutely none."

The late David Henderson's father has received a letter from a comrade of his son regarding his death, in which the comrade says:

"Although I was not near David when he was killed, it was not long till we heard that another of the very few old 7th boys had been killed. It happened early on the morning of April 30, while he was standing talking to some of his chums, that a rifle-grenade landed among them. David did not know a moment's pain, and those who were near him said he never spoke. Two of the boys who were wounded beside him suffered very badly, and one of them died two days afterwards. David had taken over the duties of stretcher-bearer, and on the morning previously, under heavy shell-fire, dressed many of our wounded, and it was freely talked about. It makes it so much harder to think that on the morning of his death we were being relieved from the trenches after we had come through the hot work of the previous day, and that he should be left behind in a true soldier's grave. A little wooden cross has been erected upon his grave in memory of one whom we all respected, and through his joyful manner he had many friends who have heartfelt sympathy with you in your sad and heavy loss."

David Henderson was one of the best golfers in Glasgow pharmacy circles (see C. & D., May 13, p. 45, and May 20, p. 79).

French News.

(From the "C. & D." Paris Correspondent.)

MEDAL FOR CHEMIST.—A silver medal of the First Class has been awarded by the French Government to M. Schmutz, an analytical chemist of the Paris Municipal Laboratory, who was recently injured by the explosion of a bomb which he was examining.

NIGHT AND SUNDAY SERVICE.—The President of the Paris Pharmacists' Syndicate has addressed a letter to the "Temps" the Parisian daily which recently criticised the difficulty of finding a pharmacy open in the western parts of Paris on Sunday, or, after week-day closing-hours, of having a prescription dispensed. The President states that before the war thirty-seven pharmacists assured Sunday and night service in the four quarters of the 16th Arrondissement. These arrangements having been completely upset by the mobilisation, a temporary measure was drafted towards the end of 1914. A certain number of pharmacists having accepted the night and Sunday service, their names were handed to the local inspector, and lists were placed in all the police-stations. Anyone needing a pharmacist at night-time has, therefore, only to ask for this list and choose his pharmacy therefrom. Analogous arrangements were made for the other quarters of Paris.

Legal Reports.

Mailed Chemicals and Medicines.—Sir Samuel Evans, in the Prize Court, London, on June 20, condemned a quantity of chemists' and photographic requisites made up as letters from Germany to America, and seized in the mail-bags on the three Dutch steamers *Rijndam*, *Oranje*, and *Zeelandia*. It was stated to be contrary to the spirit of The Hague Convention that such enemy parcels in wartime should pass as mere letter-packets. On the *Rijndam* parcels of alcoholic essence, patent medicines (Uzura tablets); on the *Oranje*, chemicals, filter-paper, photographic appliances; on the *Zeelandia*, bottles of crystallised Cinol, platinum paper, photo printing-paper, tooth-paste, heroine hydrochloride, cocaine hydrochloride, ovaria desiccata, betacine, and suprarenin tablets.

Detailed Saccharin.—In the King's Bench Division of the High Court, London, on June 20, mention was made to Mr. Justice Atkin of the case of Attorney-General v. Saccharin Corporation, Ltd., judgment now being formally entered on terms agreed between the parties. Sir John Simon, K.C., M.P., appeared for the Corporation, and restated what was reported in the C. & D., April 8, p. 37, about sixty cases of saccharin imported into England from Sweden on board the *Bjorn*. It was stopped under Section 6 of the Customs War Powers Act, 1915, which provides that where the Commissioners of Customs and Excise had reason to suspect that the country of origin of any goods imported into the United Kingdom is an enemy country the goods are to be deemed as coming from an enemy country until the contrary was proved. The Corporation's contract was with a London firm, and was made on the representation to them that the whole of the saccharin was of Swiss or neutral manufacture. It was discovered that forty-two cases came from Sweden, and eighteen cases, contrary to the contract, were manufactured by a German firm, so that the Corporation could not resist the proceedings of the Crown in regard to these eighteen cases. An agreement had now been come to, and the terms were that no further proceedings should be taken, each party should pay their own costs, and on payment of the duty the forty-two cases should be released to the Corporation. Sir Geo. Cave, K.C., M.P. (Solicitor-General), on behalf of the Crown, assented, and said that upon their receiving judgment as to the eighteen cases obtained from Germany, valued at 3,000*l.*, the claim in regard to the remainder would not be pursued. Judgment was formally entered on the terms outlined.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

KEELING & WALKER, LTD. (P.C.).—Capital 25,000*l.* Objects: To take over the business of F. A. Keeling, chemical manufacturer, etc., carried on at Fenton, Stoke-on-Trent. The first director is F. A. Keeling.

ASSOCIATED LONDON COMMERCIAL TRADING CO., LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of, *inter alios*, importers, exporters, and manufacturers of and dealers in drugs, chemicals, patent articles, perfumery, soap, and toilet-requisites. The first directors are T. G. Cosgrave and A. Brooks. R.O., New Hibernia Wharf, Montague Close, London Bridge, S.E.

PETAL SYNDICATE, LTD. (P.C.).—Capital 500*l.* Objects: To take over from F. M. Howlett and S. Hawley-Edwards the benefit of an invention and secret formula for an insectifuge, insecticide, or germicide, to carry on the business of chemists, druggists, drysalters, etc. The first directors are F. M. Howlett and S. Hawley-Edwards (secretary), 14 Bedford Street, Covent Garden, W.C.

HOLT, THOMPSON & CO., LTD. (P.C.).—Capital 10,000*l.* Objects: To carry on the business of fine-chemical manufacturers, druggists, oil and colour men, importers and manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial, and other preparations and articles, compounds, cements, oils, pigments, and varnishes, etc. The first directors are A. Holt and E. Thompson. R.O., 6 College Lane, Liverpool.

DR. TEMPLE CO., LTD.—At a meeting of the shareholders held at 7 West Register Street, Edinburgh, on June 14, it was decided that the company be wound up voluntarily, with Mr. John Mackinnon, 57 West Campbell Street, Glasgow, as liquidator. The creditors will meet at 7 West Register Street, Edinburgh, on July 3.

Boots Cash Chemists (Eastern), Ltd.—The report for the year ended March 31, 1916, shows a net profit of 27,471*l.*, and 15,250*l.* was brought forward, making 42,722*l.* The directors recommend a dividend on the ordinary shares of 10 per cent. per annum (free of tax except for quarter ended December 31, 1915), to add to freehold reserve 3,000*l.*, to contingency reserve (making 18,101*l.*) 2,000*l.*, leaving to carry forward 17,372*l.*

Virol, Ltd.—The report for the year ended March 31, 1916, shows increased profits consequent on a "record" increase in sales. The gross profit amounted to 89,189*l.*, compared with 72,428*l.* for the previous twelve months, and the net profit, including the amount brought forward, is 27,764*l.*, as against 23,014*l.* in the previous year. The directors recommend the payment of a dividend of 12½ per cent. for the year, placing 7,500*l.* to reserve, and carrying forward 12,264*l.*

A. J. White, Ltd.—The annual meeting was held on June 16 at the Memorial Hall, Farringdon Street, London, E.C., Mr. J. Taylor Marsh (chairman) presiding. In moving the adoption of the report and balance-sheet (*C. & D.*, June 10, p. 38), the Chairman referred to the adverse conditions under which the company had been working, while the expenses of manufacturing their goods had naturally increased considerably. They had been fortunate, through the foresight of the managing directors, in placing contracts well ahead, and he congratulated the shareholders on the fact that the amounts shown in the balance-sheet which represent stock on hand are considerably higher than the same items in the balance-sheet of last year. The report was unanimously adopted.

THE "SANITAS" Co., Ltd.—The report states that the business during the year to March 31, 1916, has suffered from considerable difficulties affecting labour and the transit of goods, while freights and cost prices of raw and other materials have ruled unprecedentedly high in consequence of the war. In view of prevailing conditions attendant upon the war the new factory which was built by way of relief previous to the outbreak of war has been let on lease for a short term of years. The balance to credit of profit-and-loss account, including the amount brought forward, and after providing for advertising and bad and doubtful debts, amounts to 18,142*l.* The directors recommend payment of a final dividend of 5 per cent. (making 7½ per cent. for the year), to place to reserve 1,500*l.*, to carry to reserve for depreciation of investments 500*l.*, and to carry forward 3,376*l.*

Deed of Arrangement.

Culshaw, John, Penny Lane, Wavertree, Liverpool, Chemist and Druggist. Dated June 6; filed June 13; trustee, P. S. Booth, 2 Bixteth Street, Liverpool; unsecured liabilities, 277*l.*; estimated net assets, 93*l.* The creditors include: Virol, Ltd., 5*l.*; D. & W. Gibbs, Ltd., 9*l.*; J. T. Bristow & Co., Ltd., 3*l.*; Blake & Mackenzie, Ltd., 3*l.*; Ayrton, Saunders & Co., Ltd., 65*l.*; R. Sumner & Co., Ltd., 35*l.*; John Thompson, Ltd., 38*l.*

Births.

Authenticated notices are inserted without charge.

Corbett.—On June 13, the wife of J. Corbett, L.P.S.I., of the Medical Hall, Mitchelstown, of a son.

Morgan.—At Penrhyn Avenue, Rhos-on-Sea, Colwyn Bay, on June 14, the wife of Henry Brunt Morgan, Ph.C., of a daughter.

Richardson.—At 222 Market Place, Dudley, on June 8, the wife of Percy G. Richardson, Ph.C. and optician, of a daughter.

Marriages.

Authenticated notices are inserted without charge.

Cundall—Day.—At All Saints' Church, Pocklington, on June 20, Thomas Bowser Cundall, chemist and druggist, second son of the late Robert Cundall, chemist and druggist, to Ethel Peacock, eldest daughter of the late John Day and Mrs. Day, Oakdene House, Pocklington.

Duerdin—Jones.—At St. Michael's Church, Bootle, on June 9, John Dick Duerdin, chemist and druggist, Lower Norwood, Croydon, to Miss F. N. Jones.

Hetherington—Stewart.—At Holy Trinity Church, Kilburn, N.W., on June 11, William Hetherington, Ph.C., Newcastle-on-Tyne, to Agnes Sugden, second daughter of the late Alexander L. Stewart, Falkirk.

Riley—Temple.—At St. Saviour's, Eastbourne, on June 14, Percy Riley to Frances Mary, elder daughter of Mr. C. H. Temple, pharmacist, Eastbourne.

Deaths.

Authenticated notices are inserted without charge.

Arblaster.—At 31 Duchess Road, Edgbaston, Birmingham, on June 13, Mr. Charles James Arblaster, chemist and druggist, aged ninety-one. He was a native of Newcastle-under-Lyme, and served his apprenticeship in that town. He subsequently conducted a business at Shrewsbury, but over forty years ago he went to Birmingham, where until his retirement thirteen years ago he took an active part in pharmaceutical life and politics. He purchased the business of Mr. Christian, of "Pâte de lichen" fame, at the corner of Cannon Street and New Street (now occupied by Hope Bros.), and when, a few years later, the lease of these premises expired Mr. Arblaster removed to the other side of the street, close to the Theatre Royal. There he was joined in partnership by Mr. Walter Churchill, who had succeeded to his father's business in New Street, almost opposite Mr. Arblaster's premises, and the firm traded as Arblaster & Churchill until 1903, when the business was closed. Southall Bros. & Barclay secured the "Pâte de lichen" and also the proprietary rights of the firm, Mr. Arblaster retaining the mineral-water side of the business, which was carried on till shortly before his death. Since 1904 he had lived in semi-retirement, but prior to that time he actively interested himself in matters pharmaceutical in the city. He was one of four survivors of local members who welcomed the British Pharmaceutical Conference to Birmingham in 1860, the other pharmacists, happily still with us, being Sir Thomas Barclay (who recently successfully underwent a serious operation on his eyes) and Mr. Alfred Southall (who has long since retired from business). When, in 1869, the Midland Counties Chemists' Association was formed, Mr. Arblaster became a member, and in 1870 was appointed President, in succession to the late Mr. W. Southall. Mr. Arblaster was also a vigorous co-worker with Sir Thomas Barclay when, in 1876, the latter was instrumental in launching the Chemists' and Druggists' Trade Association of Great Britain—the organisation, above all others, which brought registered chemists and druggists to realise the enactments under which they carry on business, and paved the way for present-day protection. Mr. Arblaster served on several Committees, and Sir Thomas Barclay speaks of him as an "able and loyal colleague." He was a fine specimen of the old-fashioned type of pharmacist, with lofty ideals concerning his craft, which he maintained throughout his business career. His eldest son occupies an important position as a secondary-school master.

Bromley.—At Church Hill, House, Eythorne (Kent), on June 13, Mr. Francis Worrell Bromley, chemist and druggist, aged eighty. Mr. Bromley was formerly in business in London and Lincolnshire.

Brunner.—At Holly Mount, Huyton, near Liverpool, on June 17, Mr. Henry Brunner, aged seventy-eight. Mr. Brunner was the eldest of the three sons of the Rev. John Brunner, a Swiss clergyman, who settled in Liverpool many years ago. Sir John Brunner, Bart., was a younger brother, and, like Mr. Henry Brunner, entered the chemical trade at Widnes. Both were original members of the Society of Chemical Industry. For the past thirty years Mr. Brunner had been a director of Brunner, Mond & Co., Ltd., Northwich. In his early days Mr. Brunner was an active Volunteer and Major of the Prince of Wales (South Lancashire) Volunteers. His second son, Major Wilfred Brunner, R.E., was reported missing in Gallipoli last August; and Captain G. Brunner, of the Cheshire Regiment, his youngest son, was invalided home from Gallipoli about the same time.

Evans.—At "The Woodlands," Higher Lane, Lymm, Cheshire, on June 10, Mr. Isaac Henry Evans, chemist and druggist, aged eighty-six. Mr. Evans was a native of Wigan, and served his apprenticeship with the late William Garside, Ormskirk, after which he went as an assistant to Mr. Burdett Garside, chemist, Southport. For a short time thereafter he was in business at Nelson, but before the Pharmacy Act, 1868, was passed he had established himself at the Market Cross, Lymm, where he carried on business until five or six years ago, when he was succeeded by his only son, Mr. Fred. E. Evans, chemist and druggist, who qualified in 1887. During his lifetime Mr. Evans had been

a member of the Lymm Local Board, and he received the special thanks of the community for his untiring exertions in assisting the medical men in suppressing an outbreak of small-pox. He was an enthusiastic Freemason, and had been Almoner and Secretary of the "Earl of Chester" Lodge for twenty-one years, and also held Provincial rank in the "Earl of Stamford" Lodge of Mark Masons. His was held in high respect locally.

HARRISON.—At Baxtergate, Whitby, on June 11, Mr. Robert Harrison, chemist and druggist, aged seventy-nine.

LINGNER.—The originator and owner of Odol, Dr. Karl August Lingner, has died in Berlin at the age of fifty-five. He started life in very poor circumstances, and did business in a special kind of ruler which he had invented, and later on in a practical boot-jack. It is said that he borrowed £300m. (15L.) for starting business about thirty years ago. Then he launched "Odal," and by sheer hard work this enterprise, which started on a modest scale in Dresden, grew rapidly, and works were established in Austria, Russia, England, and other countries. He was President of the International Exhibition of Hygiene, to the success of which he devoted years of hard work. There was scarcely a branch of



DR. K. A. LINGNER.

public welfare in which Dr. Lingner was not interested and which he did not liberally support. He was also a patron of the arts, and his country seat, Schloss Tarasp, in the Engadine, contains many historic works of art.

PETTIFER.—At Tetbury, Glos., on June 2, Mr. T. Valentine Pettifer, J.P. (Stephen Pettifer & Sons, veterinary surgeons and chemists), Tetbury, aged fifty.

SCOTT.—At 11 Curzon Street, Nottingham, on June 15, after a short illness, Mr. Samuel Swift Scott, chemist and druggist, aged seventy-five. Mr. Scott was an assistant when the Pharmacy Act, 1868, was passed, and entered for the Modified examination, passing in March 1869.

WILLIAMS.—At Montem Lane, Slough, on May 28, Edith, wife of David H. Williams, chemist and druggist, late of West Hill, Wandsworth, aged seventy-one.

Died on Service.

COLLINGWOOD.—Gunner Robert Collingwood, of H.M.S. *Lion*, brother-in-law of Mr. Richard Lawton, chemist and druggist, Scotland Road, Nelson, has died of wounds received in the recent naval battle.

CRUSE.—Paymaster P. Cruse, lost on H.M.S. *Hampshire*, was a son of Mr. T. H. Cruse, Ph.C. (Cruse & Co., Ltd.), Southsea.

LEADBEATER.—Lance-Corporal A. Leadbeater, of the Yorkshire Regiment, formerly with Mr. Brown, chemist and druggist, of Scarborough, has been killed at the Front while on night patrol duty.

STEWART.—Private James P. Stewart, who prior to enlisting in the Gordon Highlanders was an assistant chemist in Stonehaven, has been killed in action. He was twenty-one years of age.

WATERHOUSE.—On June 2, Lance-Corporal Arthur Waterhouse, K.O.Y.L.I., fourth son of Mr. Fletcher Waterhouse (thirty-five years dispenser to the Dewsby and District General Infirmary), and brother of Mr. Harry Waterhouse, chemist, Tottenham, also brother of Mr. Ernest Waterhouse, chemist, Clerkenwell, with whom he was assistant prior to his joining the Colours. The interment took place at Dewsby Cemetery on June 6.

Wills.

THE LATE COLONEL T. D. SEWELL. Clerk to the Spectacle-makers' Company, left estate value at 2,461*l.* 5*s.* 9*d.* gross.

MR. FRANK SPINNEY. chemist and druggist, 14 Commercial Road, Bournemouth, who died on March 23, left estate of the gross value of 7,000*l.* 12*s.*

MR. JOHN WILLIAM WHITTAKER. chemist and druggist, Rochdale, Lancs., who died May 24, left estate valued at 4,440*l.* 2*s.* 5*d.* gross, with net personality 4,103*l.* 5*s.* 3*d.*

THE LATE EDWARD BERDOE, L.R.C.P.Ed., M.R.C.S., chemist and druggist, Victoria Park and Hackney, left estate valued at 1,576*l.* 10*s.* 8*d.* gross, with net personality 1,508*l.* 14*s.* 5*d.*

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

ALDERMAN C. J. WAIN, Ph.C., Newcastle-under-Lyme, has been appointed a Justice of the Peace.

LIEUT. W. GILBERT SAUNDERS has been appointed adjutant to the 5th King's (Liverpool) Regiment.

MR. FRED. SARSON, chemist, 2 Palace Avenue, Paignton, is the Vice-President of the Torquay Pharmacists' Association.

MR. DAVID E. LEWIS, chemist and druggist, Mardy, has been elected a Vice-President of the Ferndale Chamber of Trade.

MR. THOS. JONES, chemist and druggist, Tregaron, Cardiganshire, is Chairman of a Committee which is forming an Angling Club for the town.

SERGEANT W. ALCOCK, who has been awarded the Military Medal, was in Boot's art department, Nottingham, before joining the Colours when the war broke out.

LANCE-CORPORAL B. F. HOBBS, of the London Scottish, son of Mr. A. E. Hobbs, Ph.C., Tunbridge Wells, has been wounded in the right hand by the explosion of a trench-mortar. He was on his father's staff before going to the Front.

LIEUT. HERBERT S. G. JAMIESON, of the 3rd East Surrey Regiment, and a son of Mr. S. Jamieson, is making good progress in recovery from the gunshot-wound in his right arm which he has recently suffered. Lieut. Jamieson was in the Civil Service before the war, and joined the Public Schools Battalion in September 1914.

MR. J. BEETHAM WILSON, Dorking, whose "Daily Mail" article on belladonna-growing was mentioned in the *C. & D.* last week, has received over five hundred requests for information from correspondents. He had asked them to send specimens of the plants that they thought were belladonna, and of those sent to him only three were *Atropa Belladonna*!

DR. FREDERICK B. POWER, F.C.S., who resigned the directorship of the Wellcome Chemical Research Laboratories towards the end of 1914 in order to return to his old home in the United States, has been appointed Director of a Research Laboratory in Plant Chemistry at the Bureau of Chemistry of the United States Department of Agriculture, Washington, D.C. Dr. Power took charge of his department at the beginning of this month.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

243/45. Makers of bottle-capping used in a semi-liquid state and compressed with hot tongs, which add lettering and a design.	251/41. "Tannagen" nerve-food.
249/16. "Whirlpool" bath.	252/6. "Nebraska roup-pills."
251/33. Guest's Barilla soap.	252/58. "Burlington" glycerin-syringe.
249/56. "Cinnamonal."	251/58. Ayvad's water-wings.
251/39. Gee's tooth-powder.	253/70. "Ghidine" substitute.
	254/61. "Sinox" tooth-powder (Hastings & Co.).

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Artificial flavouring-essences, 230/50	Mackenzie's "Phosphoroids," 242/68
Asbestos filters, 231/72	"Marmite," 224/74
Bathing-caps, 232/21	"Nazene," nasal douche, 236/24
"Bell Tongue Syrup," 243/66	"N.C.I." powder, 247/43
Buckley's, Dr., "Formoresol," 252/14	Neo-salvarsan, 240/29
Cadum ointment, 223/69	"Phenalgin," 242/33
Candles to fit Berkofeld filters, 242/52	"Phormoid," 240/49
"Gillette" safety razors (London address), 233/29	"Reliance" hot-water bottle, 239/30
Glucose (liquid), 200/8	"Sanaderma," 238/21
Hydrogen peroxide, 229/8	"Sanagen," 243/1
"Idogen," 236/60	Sanetis' rheumatic pills, 239/70
Iodine lozenges, 237/14	"Saxol," 240/60
Janet Moore's toilet-preparations, 238/21	Sequa's specialties, 244/330
Japanese toothache-drops, 240/62	Silicate of soda, 235/8
"Laetogen," 217/53	"Silvol," 244/34
Latoline, 226/74	Sloans' Liniment (London Teething necklace (Gehrig's pattern), 233/21
Lewis's iodine soap, 243/48	"Thialion," 240/19

Observations and Reflections.

By Xrayser II.

Edinburgh

is hardly one of the places in which we should have expected to see the minimum-price movement first actualised. I am afraid I don't know the exact value of a bawbee, but I have always understood it to be the smallest of small coins, and the unit of the Scottish currency. The "Bang went saxpence" story is, I believe, a myth, but I well remember a charming Scottish lassie, the daughter of a legal luminary, replying to my demand for sixpence in exchange for a pot of cold-cream, "Sixpence! eh, but that's a deal of money!" Things must surely be looking up in Auld Reekie when twopence is the least sum the poor chemist will look at. But while rejoicing at this evidence of prosperity, I am not sure that it is good policy; I am, indeed, inclined to think that there is more of "swank" than of commonsense in this minimum-price movement. It will almost certainly do us no good with many of our best friends, who are neither the very poor nor the very rich.

The West Ham Report

on dispensing is unsatisfactory in many respects, and, in the summaries I have seen, seems more likely to convey a false than a true impression of the facts. The point emphasised by the Pharmaceutical Committee, the varying size of the bottles, of which the analyst appears to have taken no account, is alone sufficient to vitiate his examination of the mixtures, and the report generally is too indefinite to have any judicial value. We do not know whether all the thirteen mixtures examined (or, if not all, what proportion of them) were wrong, or to what extent the inaccurate ones varied—possibly it was not more than the varying size of the bottles would account for. The report, in fact, shows a meticulous regard for accuracy that is in striking contrast with the insistence on stock mixtures. It is to be hoped that the Pharmaceutical Committee will act upon the recommendation to prepare a scheme for the periodical testing of dispensing. This, as I said the other week, is properly their work; it is to their interest to do it, and it is no less their duty. They would do it with more care and better knowledge of the conditions, and, whatever the result, it would show at least that we are as anxious as anybody that our work should be done faithfully and well.

The Hyoscine-Scopolamine Controversy

is a singularly futile one, nevertheless it will go on till the crack of doom. There are two reasons for this. In the first place, it is impossible to start from an agreed point. The British Pharmacopeia of 1898 committed us to the statement that hyoscine and scopolamine are identical, and the 1914 edition perpetuates that statement. The chemist maintains that the Pharmacopeia is right, while the physiologist tells us that it is wrong. Till one of these parties convinces the other that there is something more important on the one hand than chemistry, and on the other than physiology, we shall not be able to "start fair." In the second place, it has not been possible for some years to obtain a guarantee from the dealer that what he sells as hyoscine is obtained from henbane, though it is not so difficult to get a scopolamine guaranteed from scopol. This was the case long before the war, and it is still more so to-day. I believe it is a fact that while the principal manufacturer of alkaloids on the Continent got double the price for hyoscine that he charged for scopolamine, he would not give any guarantee that the hyoscine was a pure henbane alkaloid. Indeed, I doubt very much if there is one single grain of true henbane hyoscine to be had anywhere for love or money.

The Cultivation of Belladonna

in England dates at least from the sixteenth century, for Lyte says, "This herbe is foun'de in some places of this Countrie, in woods, and

hedges, and in the gardens of some Herboristes." Flückiger and Hanbury consider it a doubtful native here, but there seems no good reason to question the fact. The story of Macbeth having attempted to poison some Danish invaders with it may be dismissed as mythical, but evidently it was growing wild in many parts of the country when our great herbals were written. Gerard mentions Highgate, Wisbech, and Lincolnshire, and it gave a name to a Lancashire valley—that is, if the night-shade of that district were really the *Solanum lethale* of the herbalists. Under this name the plant was included in our early Pharmacopeias, but it was dropped in 1788, to be reintroduced in 1809 as *Belladonna folia*. Gerard was, I believe, the first English writer to adopt the Italian name, of which he makes two words. The old English name was dwale, meaning sleep, torpor. It is curious that the root was not used in medicine here until 1860 or thereabouts, when Peter Squire recommended it as the basis of an anodyne liniment. It is to be hoped that pharmacists growing the plant will, as Lyte directs, "be carefull, to see to it, and to close it in, that no body enter into the place where it groweth, that wilbe enticed with the beautie of the fruite to eate thereof."

The Reference to Cacao-butter

as a basis for pessaries and suppositories in your "Retrospect of Fifty Years Ago" on May 20 reminds me of my first acquaintance with that substance, some three years before the date of the paragraph you quote. A customer of ours, a middle-aged man, who had gradually lost all his hair, came home from a six weeks' tour on the Continent with quite a good crop and a respectable beard, which he attributed to the use of a pomade prescribed for him by a Parisian specialist. He brought the prescription to us; the basis was cacao-butter and (I believe) olive oil, the other ingredients being quinine, tannin, and balsam of Peru. Whether the restoration of his hair was due to the pomade or not I cannot say, but it was permanent. This was a year or two before I knew the oil as a basis for suppositories, and I fancy it had not then come into use for that purpose, as we had some difficulty in procuring it in our neighbourhood, an important provincial town. It was first prepared and described as early as 1695, and Rennie notes its use as an application for haemorrhoids and chapped nipples. It was, I believe, first included in the B.P. in 1867.

Angina Pectoris

will acquire new terrors if the correspondence in "The Guardian" recently started by a Cambridge don leads to a general revival of the controversy about the pronunciation of the first word of the term. Until lately this was by scholars as well as by the unlettered pronounced with the accent on the middle syllable, in the belief that in Latin this syllable is long. The contrary opinion is now held. The length of a syllable in a Latin word is ascertained by reference to Latin verse, in which quantity appears to have been of more importance than quality, or perhaps I should say in which quality depends on quantity. Using the latter word in a different sense one might say that some English poets appear to have held this true of their own verse too. The particular verse on which the now accepted pronunciation of *angina* depends occurs in Plautus. A curious story is told of the late Archbishop Benson, when he was Bishop of Truro. Like everybody else, he had been taught that the middle syllable was long, but in a dream the fact that it ought to be short was so vividly impressed upon him that on awaking he searched, in vain, all the works of reference within reach for a confirmation of this impression. They all held to *angina*. A few weeks afterwards, however, upon his so pronouncing the word in the common-room of Trinity, Dr. Monro corrected him: "We say *angina* now." The verse in Plautus, the reading of which had been doubtful, had but just been emended. So the matter stands at present; the new reading and pronunciation are, however, said to be still open to question.

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Editorial Articles.

Insurance Accounts for 1915.

FULL payment on account of Medical Benefit under the Insurance Act is among the things in this life which have been devised but have not really happened as regards drugs and appliances. Chemists entered into contracts to the effect that in the event of the money in hand being insufficient they would take their share of what there might be in hand. It will be remembered that in February of last year the Commissioners informed a deputation from the Pharmaceutical Society (which complained, among other things, of the delay in payment of chemists' accounts) that so long as the element of uncertainty remains in the administration of Medical Benefit—i.e., the possibility of discounting—so long will it be impossible to avoid delay in settlement of the accounts. Later, when another deputation had an interview with Mr. Montagu in regard to settlements for 1913 and 1914, he appreciated how much English and Welsh chemists were to lose by Insurance dispensing, and granted 60,000/- to make up. Scotch pharmacists have questioned the validity of that grant, as Parliament gave the money for a different purpose. Now the Pharmaceutical Society has had to convince the Commissioners that the statement made early last year was not wide enough, for the war has introduced something as potent as the discounting to cause delay in payment of accounts—insured persons have joined the Services, and confusion in Insurance Act records has arisen, because it has not been possible, by the manner of calculating previously in use, to ascertain the number of insured persons entitled to Medical Benefit in England, Wales, and Scotland. The number was obtained in ordinary circumstances from the returns of contribution-cards and other membership particulars relative to the first half of the year, and the amount thus arrived at showed what money had to be distributed to Insurance Committees in accordance with the net counts of their registers. Everybody has been complaining, as our reports have proved, but has received no satisfaction. Yet the amount of money involved is only part of a million pounds, which matters little to the Government of a country that is able to pay out five millions a day on the war; but it is a very serious matter for dispensing chemists, many of whom have to

be financed by wholesale druggists consequent upon the Insurance Commissioners delaying the chemists' payments. The Society has now succeeded in getting the Commissioners to make a move as regards the Drug Fund, which is embodied in the following method of calculation proposed for 1915 :

The ascertained number of insured persons entitled to Medical Benefit for 1914 is taken (before deduction on account of enlistments in 1914), then an addition is made on account of new entrants in Insurance, and a deduction is made on account of the total number of enlistments up to the end of 1915. The explanations given by the Commissioners regarding these adjustments were satisfactory. The fund arrived at is to be distributed to the Insurance Committees in accordance with the net counts of their registers.

In view of the fact that the proportion of men who have enlisted differs in different areas, the amounts of money sent to Insurance Committees will be in inverse proportion to the enlistments, so that the payments on chemists' accounts will differ according to the localities. We presume, nevertheless, that all the payments will be "on account," seeing that they are not settlements.

Glycerin Imports from U.S.A.

THOSE who closely watch the imports of chemicals and drugs into this country will probably have noticed several arrivals of distilled glycerin lately from the United States. It is, of course, quite a new feature for America to export glycerin to the United Kingdom, and in all probability the imports from this source will continue to grow, for the reason that, as we intimated several weeks ago, all the recoverable glycerin-contents of all vegetable seeds and oils exported from England to America have to be returned to this country. These imports are the first fruits of this regulation by the Ministry of Munitions, which Department has recently issued a circular intimating that

The percentage of glycerin to be returned on palm oils is $\frac{7}{2}$ per cent. on Lagos, Emo, Softs, Cameroons, and Deep Red Sherboro; $\frac{5}{2}$ per cent. on Benin, Accra, Addah, Fernando Po, Brass, New Calabar, and Niger.

On exports of palm-kernel and coconut oils 12 per cent. of glycerin-contents must be returned, and on vegetable oils other than those specified 10 per cent.

On Indian nuts and seeds the returned glycerin percentage is 3.5 per cent., 4.3 per cent. on ground-nuts, 4.5 per cent. on sesame, 3.8 per cent. on rape, 4.8 per cent. on Mowra, and 4.2 per cent. on poppy. On nuts and seeds other than Indian the requirements are for the return of 5.7 per cent. glycerin on palm-kernels, 7.8 per cent. on copra, 1.7 per cent. on Egyptian cottonseed, and 3 per cent. on ground-nut exports. Tallow exports must return 10 per cent., and bone-fats and grease 6 per cent. of glycerin.

It will be remembered that in October last (see *C. & D.*, October 9, 1915, p. 48) the Government fixed standard prices at which they took all the glycerin manufactured in this country, and these have since remained unchanged. As we have recently had inquiries from the Colonies as to what the Government are prepared to pay for glycerin from India and Australia, we now repeat these prices :

Crude, basis 80 per cent. anhydrous glycerol, 59/- 10s. per ton net and naked; saponification and similar qualities, basis of 88 per cent. anhydrous glycerol content, 67/- per ton net and naked; dynamite quality, 87/- per ton net and naked. The standard conditions on which the prices are based are "delivery f.o.b. at an agreed port, and filled into drums at the makers' works by or at the reasonable expense of the Government. Glycerin equivalent per cent. by weight on the basis of 80-per-cent. crude."

We do not suppose these low prices will greatly stimulate imports from our Colonies or neutral countries, like Spain or Portugal. In fact, our imports of crude glycerin from all sources during the past five months (January to May) amounted to only 16,783 cwt., against 49,124 cwt. during the corresponding five months of 1915, but of distilled we have so far received this year 20,196 cwt., against 2,236 cwt. in 1915.

The War after the War.

Most manufacturing and wholesale firms connected with the drug, chemical, and allied trades are just now as busy as they want to be, so there is some danger of their overlooking old friends and of neglecting the new opportunities which are open to them. This means a weakening of defences in the fierce commercial fight that will follow the war. The remedy is judicious advertising in *THE CHEMIST AND DRUGGIST*, and an Inset in the Summer Issue of July 29 will be one of the most effective ways of securing business from buyers at home and overseas. Write to our Publisher for his booklet on the subject.

"C. & D." Index.

IN consequence of the Government restrictions upon the supply of paper and several other war conditions that specially apply to periodicals, the numbers of *THE CHEMIST AND DRUGGIST* for 1916 will constitute one volume. We mention this now because under ordinary conditions this number would have completed a volume of *THE CHEMIST AND DRUGGIST*.

Doctors and War-service.

SIR ALFRED KEOGH, Director-General of the Army Medical Service, had addressed a letter and memorandum to the medical profession regarding the position of medical men under the Military Service Acts. In the letter he states that medical men between forty-one and forty-five years of age who are not included in the compulsory service by these Acts can help by enrolling to enable the Government both to meet the pressing needs of the Forces at home and abroad and to ensure the maintenance of an adequate medical service for the civil population. "The Times" states that doctors of forty-five to fifty-five are also wanted for service at home.

Insurance Drug Prices.

WE have been comparing the prices for drugs given in the Drug Tariff month by month, and find that these are a fair reflection of the fluctuations as given in our market report. It will be remembered that it was agreed that the drugs whose prices are affected by war conditions should be "starred," and each month a mean of the variations which have taken place in the price of these drugs is agreed upon by the Commissioners, the B.M.A., and the Pharmaceutical Society. Our comparison shows that the changes in prices are not always upwards : the salicylates and bromides, for example, have been lowered in price, which accords with the improved sources of supply. Acetanilide, barbitone, and phenacetin have increased in price because the demand is not yet fully met by manufacturers. Formalin and phenolphthalein have advanced owing to difficulties in obtaining the raw materials ; silver nucleinate and atropine also have a considerable upward trend. The prices given are cost-prices. Note also Scottish prices, p. 46.

Barring German Dumping.

WE print in our War section this week particulars of the resolutions which the Allied nations came to in Paris last week regarding trade after the war. It will be noticed that every effort is to be made to give surely to the Allied countries, especially in respect to articles which by force, or what amounted to that, Germany dumped upon them before the war. In this connection we observe that Camwal, Ltd., are addressing a letter to members of Parliament in which they say :

"We have written to the President of the Board of Trade suggesting that mineral waters, particularly German and Austrian aperient waters, such as Apenta and Hunyadi, should be added to the list of prohibited imports now, and subjected to a substantial duty after the war. Such waters are produced in this country at Harrogate and other watering-places, superior both in purity and quality, and equally effective from a medicinal point of view, to any imported German or Austrian waters. . . . We submit that this new industry which is supplanting German importations should have some protection from the Government from 'dumping' after the war by the proprietors of German waters."

The letter proceeds further, but this quotation shows what the company are doing, and we understand that they have three other British houses with them in the scheme.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on June 13, Mr. James Tate (President) in the chair. Messrs. James Michie (Vice-President), G. D. Beggs (Hon. Treasurer), Richard Blair, J. E. Connor, J.P., T. N. Moffitt, John Smith, Dr. J. A. Walsh, D. M. Watson, A. Owen Wells, and W. F. Wells were also present.

The Registrar (Mr. A. T. Ferrall) read letters from the Secretaries of the Lord-Lieutenant, the Prime Minister, and General Sir John Maxwell, K.C.B., acknowledging the Council's loyal resolution of last month. Letters of thanks for votes of sympathy were also received from Messrs. James N. Hardy, Hayes, Conyngham & Robinson, Ltd., and Hamilton, Long & Co., Ltd. The President, Vice-President, and Mr. W. F. Wells were appointed delegates to the British Pharmaceutical Conference meeting in London on July 12.

REGISTERS.

The name of Mr. John McConkey, Belfast, was restored to the Register of Chemists and Druggists. Miss Louisa M. Kingston and Mr. Edward MacManus, having submitted approved certificates, were admitted to Preliminary registration.

The following changes of address were notified:

Mr. G. D. Beggs, Ph.C., from Dalkey Medical Hall to 32 Ulverton Road, Dalkey, co. Dublin.

Mr. Henry Joseph Manley, Ph.C., from Dublin to care of Mrs. Dinwoody, the Medical Hall, Ballybay.

Mr. Timothy J. Maye, Ph.C., from care of H. Roberts & Co., Rome, to The Pharmacy, 38 Rue du Mont Thabor, Paris.

Mr. D. McCarthy, Ph.C., from Belvedere, Strand, Youghal, to Nelson Villa, Nelson Place, Youghal, co. Cork.

Dr. W. Macgurk Scott, P.A., from "Allandale," 18 Canning Street, Liverpool, to District Medical Officer, Parish of Liverpool; private address, 13 Norton Street, Liverpool.

The Registrar reported the deaths of Mr. Thomas Moran Jozé, M.P.S.I., Dublin, and Mr. John Mullen, R.D., Abbyleix.

MEMBERSHIP.

On the motion of the PRESIDENT, seconded by the TREASURER, the following were nominated for membership: Mr. William Rocke Browne, Ph.C., Clonard Pharmacy, Falls Road, Belfast; Mr. James Duggan, Ph.C., 63 St. Lawrence Road, Clontarf, Dublin; Mr. Frederick Armstrong Ferguson, Ph.C., High Street, Lurgan; Mr. John Joseph Fitzgibbon, Ph.C., 2 Sydenham Terrace, Ballinacura, Limerick; Mr. Thomas Johnston, Ph.C., Market Square, Lisburn; Mr. Michael James Mullan, Ph.C., 42 Thomas Street, Armagh; Miss Rose Teresa O'Connor, Ph.C., 17 Main Street, Cavan; Mr. George Shannon, Ph.C., The Donegal Pharmacy, The Diamond, Donegal; Mr. Herbert Sweeny, Ph.C., 10 Clarendon Street, Derry.

THE LATE INSURRECTION.

A discussion took place as to the circumstances under which Mr. Jozé was killed during the recent insurrection. On the motion of Mr. BEGGS, seconded by Mr. W. F. WELLS, a vote of sympathy with his relatives was passed.

The PRESIDENT read the following letter from the Liverpool Chemists' Association, dated May 25:

Dear Mr. Tate,—I have been instructed on behalf of the Liverpool Chemists' Association to write you to express our sympathy with the members of the Pharmaceutical Society of Ireland in the loss which some of them have sustained, and the anxiety all of you have suffered, by reason of the recent disturbances in Ireland. Many of your members, including your esteemed self, are known personally to us here in Liverpool, and I can assure you that it was with feelings of deep regret that we read in the trade journals of the great trouble you have recently passed through. Hoping that even out of the great evil some good will result to the great Empire we all love so well, I remain, yours faithfully, DAVID H. EVANS (Hon. Secretary).

The President stated that he had sent the following reply:

Dear Mr. Evans,—I appreciate very much your kind letter of sympathy received this morning, on behalf of the Liverpool Chemists' Association, to the members of the Pharmaceutical Society of Ireland in respect of the loss and anxiety which the members of our craft have sustained during the recent rebellion in Ireland. It is refreshing at times to be favoured with such kind consideration as yours. Personally, I esteem it very much, and at next meeting I shall have more than ordinary pleasure in bringing your letter before the members of our Council. I heartily join with you in the hope that the purifying and uplifting influences that are being exercised in all parts of our nation at the present time may be particularly manifest in this Green Isle, and that out of all the sadness of the present,

and visions of the past, Ireland may emerge more pure, more loyal, and more fitted to take her part in unity with our great Empire in bringing about a still more glorious future for our Motherland. With kind regards, yours faithfully, JAMES TATE.

This concluded the public business.

Pharmaceutical Society.

North British Branch.

MR. DAVID GILMOUR presided at a meeting of the Executive, held at 36 York Place, Edinburgh, on June 14. Messrs. W. Giles (Vice-Chairman), W. B. Cowie, A. Currie, W. L. Currie, W. Doig, J. H. Fisher, J. J. Forbes, J. P. Gilmour, T. Guthrie, J. Jaek, T. McKenzie, A. McMillan, J. Nesbit, and D. Storrar were also present. The CHAIRMAN referred sympathetically to the death of the late Claude F. Henry, and a motion of sympathy with his widow and family was passed. Mr. W. L. Currie was congratulated on his re-election to the Council of the Society, and Mr. J. P. Gilmour on his appointment as editor of the "Pharmaceutical Journal." The other business was casual. Mr. David Gilmour presided also at the

ANNUAL MEETING

of members of the Society in Scotland, which followed, and delivered an address. In the course of this he referred to the chemists' position under the National Insurance Act, and stated that for complete success in Scotland it is necessary that the unity among chemists should be maintained by confidence in those who lead. Three positions require to be maintained, namely:

(1) A fulfilment of the pledge given to supply proof by facts and figures as to the rate of profit on Insurance dispensing, with more especial reference to establishment-charges.

(2) The firm conviction that dispensing in all its branches belongs to the trained pharmacist—that one can do without N.H.I. dispensing, thereby saving much worry, is not the point. Every prescription that a pharmacist allows to go past him means losing part of the very work for which he was educated and trained.

(3) Following the action already taken, it is for us now, once and for all, to preserve that united front and firm attitude in our demands that shall compel just recognition of our claims.

The Chairman then referred to the effect of the war upon pharmacy, explaining what is necessary under the Pharmacy Acts, maintaining that where in a district the only pharmacist is of military age he must be exempted from military service. He pointed out that in Scotland a very large proportion of the dispensers have joined the Colours, and submitted that it is necessary to maintain an efficient dispensing service for National Health requirements. Excellent work has been done in this connection by the Executive and Standing Committee, with representatives from the Panel, Pharmaceutical, and Insurance Committees and the Military Representative. The Chairman then explained what has been done in dispensing for the dependants of sailors and soldiers, and also referred to other matters, such as the scientific meetings of the Branch, the examinations (at which thirty more candidates than in the previous year had been examined), membership, and local organisation in Scotland, concluding by paying a tribute to Mr. Rutherford Hill and his staff for the excellent work that they had done during the year.

ELECTION OF EXECUTIVE.

It was reported that 320 of 892 postcards issued to members had been returned, and 317 of the 320 expressed full agreement with the recommendation that the members of the Executive should be re-elected. This was agreed to on a motion by Mr. BOA, seconded by Mr. MERSON, the members being Messrs. W. B. Cowie, A. Currie, W. Doig, R. G. Drummond, J. H. Fisher, J. J. Forbes, J. A. Forret, W. Giles, D. Gilmour, W. S. Glass, T. Guthrie, J. Jaek, T. McKenzie, A. McMillan, J. Nesbit, D. Storrar, and W. P. Wilson. The CHAIRMAN declared that these, with Mr. Edmund White (President of the Society), Mr. E. T. Neathercot (Vice-President), Mr. W. L. Currie (Glasgow), and Mr. J. P. Gilmour (Glasgow), will constitute the Executive for the succeeding year.* The Chairman was cordially thanked for his services as such; and the Vice-Chairman (Mr. Giles) also received a hearty vote.

* Mr. J. P. Gilmour resigned on June 7 his membership of the Council of the Society, which, with his residence in Scotland, constituted his eligibility for election to the Executive. The Council has not yet formally accepted the resignation, hence Mr. Gilmour's re-election to the Executive is in order *pro tempore*.

Chemical Society.

THE meeting at Burlington House, Piccadilly, London, W., on Thursday evening, June 18, was the last of the ordinary meetings of the session. Dr. Alexander Scott, F.R.S., presided. The preliminary business was routine, and included the election of twelve new Fellows. Two are the sons of men who are well known—namely, Mr. William G. Ramsay, B.Sc., son of Sir William Ramsay, K.C.B., and Mr. Frederick H. Branson, a young pharmacist, the son of Mr. F. W. Branson (Reynolds & Branson, Ltd., Leeds), who has been a Fellow of the Society since 1882. The audience was smaller than usual, but shortly after the proceedings commenced Dr. Emerson Reynolds, Sir J. J. Dobbie, Dr. M. O. Forster, Mr. C. A. Hill, and other members of the Council came in. The proceedings were particularly interesting to pharmaceutical chemists in so far as Dr. George Senter communicated the substance of the two papers on the programme—viz., "Studies on the Walden Inversion, Part IV. The Kinetics and Dissociation Constant of Phenylbromoacetic Acid," by himself and Mr. S. H. Tucker; "Reactivity of the Halogens in Organic Compounds. Part IX. Interaction of Alkalies and Alkali Bromo-acetates and Bromopropionates in Ethyl Alcoholic Solution," by himself and Mr. H. Wood. We may recall that Dr. Senter was a Bell scholar in 1895 along with the late F. U. Stamp, and distinguished himself in the School of Pharmacy, finishing up with the Pereira medal. Then he took up scientific studies specially, and has since become F.I.C., D.Sc. (Lond.), Ph.D. (Leipzig), and member of the Council of the Chemical Society. Dr. Senter has matured well. He gave the summary of his communications in the correct Burlington House manner, and though the experimental work for his subjects traversed ground familiar to some pharmaceutical chemists, his interpretations of the results took his audience into a higher philosophical plane, and gave new inspiration and suggestion of high value. The second paper had to do with rate of displacement of the bromine in sodium bromoacetate by sodium ethoxide, and it was found that the rate of reaction is proportional to the concentrations of the ethoxide and bromoacetate respectively, therefore is bimolecular. Ethyl alcohol and sodium ethoxide displace the bromine from *a*-bromopropionic acid at comparable rates, with production of ethoxypropionic acid. As to the kinetics and dissociation constant of phenylbromoacetic acid, it was long assumed that when one atom or group displaces another atom or group in a chemical compound the entering group takes up the position in space previously occupied by the group displaced. Walden showed that this is not invariably the case, but some points remain for clearance, and in this paper experiments on the kinetics and dissociation constant of phenylbromoacetic acid were described. From a comparison of the rate of displacement of bromine from the sodium salt and from the free acid in presence of excess of hydrobromic acid, it was shown that the reaction in both cases proceeds mainly by the action of water on the $C_6H_5CHBrCO_2^-$ ion, the non-ionised acid playing practically no part in the process. The rate of displacement of bromine from the sodium salt is not affected by the addition of sodium hydroxide in fairly high concentration, so that the displacement is brought about by the action of water on the $C_6H_5CHBrCO_2^-$ ion. Brief criticism of the communications was made, but Dr. Senter's reply effectually cleared the points.

GERMAN HONORARY MEMBERS REMOVED.

About 200 Fellows met in the Theatre of the Civil Service Commission, Burlington Gardens, on Wednesday evening, June 21, Dr. Scott presiding, to consider Dr. W. H. Perkin's proposal that judgment as to whether certain Germans should remain as honorary members of the Society be suspended until after the war. This was an amendment to a motion to remove them submitted at a meeting on May 11. The amendment was now brought up as a substantive motion, and Dr. Scott reported that 3,221 copies of the paper mentioned in the *C. & D.*, June 10, p. 48, had been sent out, 1,266 had been returned, of which 16 were spoilt, so that 1,248 were recorded. Of these, 471 voted for (1) unconditional removal of the names, 295 for (2) Dr. Perkin's amendment, and 482 for (3) a motion (printed in the *C. & D.*, June 10) to remove the names from the list of members until after the war, when their position shall be reconsidered. Dr. Scott having placed Dr. Perkin's amendment before the meeting as a motion, Mr. Julian Baker moved No. 3 as an amendment. This was duly seconded, and an able and well-tempered debate followed. Dr. Perkin, Dr. Moody, Colonel Cassal, Dr. Evans, and several others spoke. Colonel Cassal taking the palm for eloquence, ready utterance, and sheer detesta-

tion of German militarism in manner and method. The meeting had a surprise when Mr. Charles Bathurst, M.P., joined in the debate. In his effective and quiet manner, he submitted the necessity for the Society freeing itself from alien enemy members. His reference to his old teacher, John Voelcker, a British-born subject and the son of an eminent German chemist faithful to this country, was the hit of the evening. Dr. Forster, who followed Mr. Bathurst, also spoke well and convincingly for the immediate removal of the names, and after a few more speeches, including two from Fellows in khaki that neutralised each other, a vote was taken, which resulted in Mr. Baker's amendment being lost. It was known that another amendment had been sent in by Mr. John Hodgkin, whose association with pharmaceutical chemistry some years ago is known to many in pharmacy. Mr. Hodgkin had a simple, straight issue for the Fellows to decide, and it was what the majority wanted. He said, "We are at war; these men, the German honorary members, are the King's enemies, and it is our duty to have nothing to do with them." He therefore moved, and Dr. Russell Wells seconded:

The Chemical Society considers that it is neither compatible nor consistent with its loyalty to the Crown, whence the Royal Charter under which it works was derived, to retain any alien enemies upon its list of honorary and foreign members, it is therefore resolved that the names of A. von Baeyer, T. Curtius, E. Fischer, C. Graebe, P. H. R. von Groth, W. Nernst, W. Ostwald, O. Wallach, and W. Willstaetter, who were elected under happier conditions in recognition of their eminent services to chemical science, for which the Society still holds an undiminished appreciation and regard, be and are hereby removed from the list of honorary and foreign members.

There was little talking about this, for the Fellows were eager to finish the matter, so a division was taken, and in a minute or two the President stated that Mr. Hodgkin's amendment was carried by 94 to 76. The matter did not end here, for Dr. Sedgwick questioned if the motion were in accordance with the By-laws, but the President made it clear that, on counsel's advice, this is a matter that the Fellows of the Society alone can decide. A quiet and effective speech of Mr. W. F. Reid, who spoke as a Fellow with many friends in Germany, had a marked effect upon the Fellows, and Mr. Hodgkin's amendment was definitely carried as a substantive motion, a proposal by Professor Donnan, seconded by Dr. Senter, that the names of the voters should be recorded, not being persisted in. The finish was harmonious.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Brighton.—The Sub-Committee appointed by the Insurance Committee met the Pharmaceutical Committee on June 13 to confer on the question of the recruiting of chemists. Mr. Edgar Jones, the Hon. Secretary, laid before the meeting details of the staff employed in the Brighton pharmacies at the present time and before the war. Out of 104 assistants fifty-seven have joined the Colours. The number for whom exemption is sought is forty-six. An Army doctor who attended the meeting said that as 50 per cent. of the medical men have gone on military service, half the chemists' shops should be shut up. The decision of the Sub-Committee will be announced later.

Derbyshire.—The selection by the Panel Committee of ten items in the list of stock mixtures agreed upon by the British Medical Association and the Pharmaceutical Society was reported to the Derbyshire Insurance Committee at their meeting at Derby on June 19. On behalf of the Pharmaceutical Committee, Mr. C. W. Ridyard protested against this proceeding, which he regarded as a breach of faith. On March 10, he pointed out, his Committee agreed to the adoption of the local Formulary now in use on certain conditions, one of which was that the Panel Committee should not subsequently make a selection of stock mixtures under Note A to Part III. of the Tariff. In a letter from the Secretary of the Panel Committee, dated March 11, this was confirmed as follows: "It is understood that no mixtures will be taken as stock mixtures, but that each prescription is to be made up fresh. Thus there will be no reduced dispensing-fees." In order that there should be no misapprehension he replied: "It is understood that the acceptance of this Formulary is conditional that no preparations are subsequently selected for stock purposes by the Panel Committee under Note A to Part III. of the Drug Tariff." Mr. Ridyard

added: "I sincerely regret this is not the first occasion on which the Panel Committee have broken their pledged word to the Pharmaceutical Committee, and I hope that in fairness to my Committee you will bring this letter before your Committee." Dr. G. G. Macdonald having stated that the Panel Committee had acted in accordance with the decision given by the Commissioners subsequent to the arrangement referred to, the matter was allowed to drop. The Commissioners notified that, in the absence of any special circumstances, they could not approve of the proposal of the Panel Committee that doctors should supply emergency drugs and appliances in non-dispensing cases at a capitation rate of 2s. 6d. per hundred insured persons on their non-dispensing panel. A flat rate of 1s. per hundred persons is in general operation and is working successfully.

Middlesex.—The latest report from the Prescription-checking Department of the Middlesex Pharmaceutical Committee shows that the checking of the March and April prescriptions has been completed, and the accounts for March have been passed for final payment. The arrears of work have now almost been caught up, and there is good reason to expect that it will soon be found possible to adhere closely to the official time-table as regards payments. The April prescriptions show that the pricers have attained to a high degree of accuracy. It was only found necessary in five cases to return January and February prescriptions for further information, but chemists in Middlesex are reminded that it is essential that doctors should indicate upon prescriptions ordering mixtures, etc., "by name only" what particular formulae they intend, as it is not permissible under Middlesex rules for the chemists to make any addition to prescriptions.

Oxford.—At the last meeting of the Insurance Committee the question of the recruiting of chemists was raised by Mr. King, who said it was not fair that chemists should not be called upon to do their share of military duty. He suggested that the Committee pass a resolution approving of the enlistment of all panel chemists and their assistants of military age. Prescriptions could still be dispensed, he said, if the number of chemists' shops were reduced by one-third. Alderman Clayton said no difficulties have been placed in the way of any chemist enlisting if the military authorities thought he could be spared. The Chairman said that the Pharmaceutical Committee had supplied full particulars of the number of chemists and assistants of military age in every business in Oxford. In only three cases has exemption been applied for. The chemists of the city are second to none in their loyalty to the country.

SCOTLAND.

June Tariff Prices.—The following are a few of the prices given in this month's Tariff. The prices are different from the English and Welsh, which are cost, whereas the Scottish prices include a profit:

Acid. acetyl sal., 5s. 7½d. per oz.	Guaiacon carb., 9s. 4d. per oz.
Acid. benzoic., 2s. 1½d. per oz.	Lin. methyl-sal. co., 2s. per oz.
Acid. salicyl., 2s. per oz.	Malourea, 7s. 4½d. per oz.
Acid. tartaric., 5½d. per oz.	Methyl sulphonial, 6s. 8d. per oz.
Ammon. brom., 2s. 2½d. per oz.	Ol. abietes, 1s. 5d. per oz.
Atrropin. sulph., 35s. 8d. per dr.	Opium pulv., 4s. 5d. per oz.
Bismuth. carb., 1s. 5d. per oz.	Phenacetin., 7s. 11½d. per oz.
Bismuth. oxid., 2s. 5½d. per oz.	Phenazon., 9s. 4d. per oz.
Caffein. cit., 3s. 5d. per oz.	Pot. brom., 2s. 2d. per oz.
Chloral hydrat., 1s. 7½d. per oz.	Pot. permangan., 1s. 2d. per oz.
Ext. malt. c. morrhua, 1s. 5½d. per lb.	Quin. sulph., 5s. 9d. per oz.
	Resorcin., 10s. 6d. per oz.
Ferri et amm. cit., 6d. per oz.	Sodin. salicyl., 2s. 1½d. per oz.
Ferri et quin. cit., 2s. 4d. per oz.	Ung. belladon., 1s. 8d. per oz.
	Ung. zincii, 2d. per oz.

Edinburgh.—At a meeting of the Medical Benefit Sub-Committee of the Insurance Committee, a report by the Panel Committee on glycerin and rose-water was submitted. The report stated that the Committee agreed generally with the Pricing Bureau's conclusions, but the opinion was expressed that such a preparation might be required for certain purposes medicinally. The Sub-Committee recommended that as glycerin and rose-water is regarded as a toilet-preparation it should be disallowed. Correspondence with a chemist regarding alteration of prescriptions was submitted. The chemist stated that the alteration in the size of the mixture was made with the doctor's consent. It was agreed to allow the matter to drop, with a warning to the chemist and the doctor. The amount required for payments to chemists for May, being 90 per cent. of the sums due and balance of accounts for March, is 484l. 10s.

WALES.

Carmarthenshire.—At the last meeting of the Insurance Committee the Clerk reported that the Joint Committee had met with regard to the applications to be made for exemption from military service of chemists of military

age. It had been resolved to apply for exemption in the case of seven persons in the Carmarthen district, six in the Llandilo area, and four in the Llanelli district. Since the Committee had met three other cases had come in from Llanelli. A Llanelli member complained with regard to the Llanelli exemptions, but Mr. Walter Lloyd said that every chemist in the county had been asked to send in his name to the Pharmaceutical Committee.

Swansea.—On June 15 the Swansea chemists received from the Insurance Committee 90 per cent. of the charges for prescriptions for the month of May. The accounts for the previous months of the year had been paid in full. Swansea, with Merthyr Tydfil and Denbigh, is outside the amalgamation that is in vogue for the rest of Wales in the matter of the pricing of prescriptions, and the arrangement so far is working satisfactorily.

Note.

INSURANCE FINANCE.—The Interim Report of the Departmental Committee on Approved Society Finance and Administration issued this week is not directly concerned with Medical Benefit, but the recommendations are based on the higher sickness rate in the case of women as compared with men. It is recommended to take money from the Sinking Fund to form special reserve and equalising funds in connection with Approved Societies.

Association Affairs.

London Co.—A meeting of the Executive Committee was held at 17 Bloomsbury Square on June 20, Mr. A. H. Jenkin (Vice-President) in the chair. The Secretary submitted a report of the special meeting of the County Association held on May 4, also a report of the Conference of Local Associations held on May 17 and 18. Supplementary details were given by Messrs. A. H. Jenkin and A. R. Melhuish, delegates to the Conference. An animated discussion followed with reference to the attitude taken by a section of the Conference which, in the opinion of the Committee, was due to misunderstanding on the part of the Northern Local Associations concerning the views held by the London Association, but with an interchange of opinion it would be found that the aims of each Association were identical—namely, the progressive improvement of pharmacy. A Sub-Committee was afterwards appointed to consider the general position and submit a report in due course. The Secretary submitted a statement of the accounts for the year, which was adopted. Messrs. Keall, Keith, Milner, Thompson, Wing, Matthews, Melhuish, Froster, Sayers, Wilkinson, and Tocher were appointed from the London County Association as delegates to the British Pharmaceutical Conference to be held in July.

Merthyr Tydfil.—A meeting of the Merthyr Tydfil Pharmacists' Association was held on June 14, Mr. V. A. Wills in the chair. The Chairman reported on the Local Associations Conference held in London, and stated that he firmly believed that the future of pharmacy is in good hands.

Northampton.—The annual meeting of the Northampton Chemists' Association was held last week, Mr. R. F. Wright (President) in the chair. Mr. L. North presented the annual report and balance-sheet, which were adopted. Instructions are to be asked as to the disposal of 4l. 5s. collected for the Parliamentary Fund. The election of officers then took place as follows: President, Mr. H. O. Wilson; Vice-Presidents, Mr. J. Strickland and Mr. C. Senior; Hon. Secretary, Mr. H. Rolfe; Auditor, Mr. L. North. Votes of thanks were passed to the officials for their services during the past year. It was decided to subscribe two guineas to the Benevolent Fund. A discussion then took place on stock mixtures.

Women Pharmacists.—The annual meeting of the Association of Women Pharmacists was held on June 14 at Gordon Hall, Gordon Square, London, W.C., Miss Buchanan in the chair. The Secretary's, Treasurer's, and Employment Bureau Secretary's reports were read and approved. Miss Buchanan announced that the Committee had received the resignation of Miss Wardle and Miss Borrowman as members of Committee, and Miss Sproule and Miss Maughan were elected to fill the vacant places. The meeting concluded with a presentation to Miss Renouf on her resignation of the treasurership, as a small recognition of the many years' service she had given to the Association.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

BRITISH DYES, LTD.

Mr. Harcourt (who is acting for the Department during the illness of Mr. Runciman) informed Sir J. D. Rees on June 21, that if the hon. member would state precisely the nature of the information he requires regarding this enterprise he would see what could be done to obtain it.

REGISTRATION OF FIRMS BILL.

Mr. Montagu Barlow, M.P., proposes to ask the Prime Minister on Wednesday next whether he is aware of the anxiety of traders in all parts of the country that the Registration of Firms Bill should become law, and whether steps will be taken to secure its passage through Parliament during the present Session.

SHOPPING-HOURS.

The Home Secretary has informed Mr. W. Crooks, M.P., that no representations had reached him to the effect that the public are shopping later, and that assistants are being kept later in consequence.—Asked by Lord Ronaldshay whether he would exempt boundary roads from the operation of Early-closing Orders in cases where business on one side of a road is appropriated by tradesmen opposite who may keep open, Mr. Samuel said he is in communication with the London County Council in regard to the point, and the matter will be carefully considered.

THE SALE OF COCAINE.

In the House of Commons on Thursday, June 22, Lieut.-Colonel J. Norton Griffiths, member for Wednesbury, asked the Home Secretary what steps the Government are taking to control the sale of cocaine throughout the country, and whether the sale of this drug cannot be restricted under the Acts governing the sale of poisons.—The Home Secretary (Mr. Samuel) replied that the sale of cocaine to members of his Majesty's Forces had been made an offence by an Order of the Army Council under Regulation 40 of the Defence of the Realm Act. Under the Poisons and Pharmacy Acts cocaine can only be sold by registered chemists to persons known or introduced to them, after entering in the poison-book the particulars required under the Schedule of the Pharmacy Act, 1868. The Government are considering whether any further action can be taken.

Sir J. D. Rees asked if it is not a fact that the sale of cocaine has become dangerous only since the suppression of opium.—Mr. Samuel said he did not know that the two things had any relation to each other. He has been informed that there has been an increase in the use of cocaine by certain class.

At the same time Sir Richard Cooper asked the Home Secretary whether his attention has been drawn to the widespread sale of pick-me-ups containing ether and cocaine in the West-end shops; whether he is aware that the new regulations preventing the sale of cocaine do not affect these draughts which contain "coca liquidum," and that these doses are generally responsible for creating the drug-craving; and what steps he proposes to take to prevent the spread of this evil. The reply was on the above lines.

Colonel Norton Griffiths informed our Parliamentary representative that his object was to restrict the indiscriminate sale and use of cocaine, of which much has been said of late in certain daily papers. He argues that the sale is surreptitiously carried on, and that its use has become greatly extended since the hours for the sale of intoxicating liquors were restricted. We may add that there is no experience of this kind in the retail drug-trade.

FINANCE (No. 2) BILL.

The Committee stage was reached in the House of Commons on Wednesday, June 21, and twenty-nine clauses were passed—i.e., Parts I. and II. and Clause 29 of Part III. Clause 1 of the Bill made the cocoa duties 6d. per lb. and the same on cocoa-butter; while Clause 2 mentions the same rate for coffee and chicory. The Chancellor of the Exchequer stated on Wednesday that, after the fullest inquiry, he had decided that the true relation between cocoa, coffee, and tea is 4½d. per lb. on cocoa, 4½d. per lb. on raw coffee, and 1s. per lb. on tea. He proposed that these rates should now be accepted as a final settlement of the question as between tea, coffee, and cocoa. He proposed that the change should only date from June 21, which was agreed to. In subsequent references to the sugar duty, the Chancellor indicated that sugar is to be dearer, but he would not agree to reduction of the duties which were agreed to on the basis of 1s. per cwt. Customs and 11s. 8d. Excise on 98° rotation sugar, 8s. 10½d. and 7s. 4½d. per cwt. on 70-per-cent. molasses, 8s. 10½d. per cwt. on solid glucose and 6s. 4½d. on the

liquid, and 4s. 6d. per oz. on saccharin. As to table-waters, Customs duties were fixed by Clause 7 as follows:

(1) There shall as from the first day of May nineteen hundred and sixteen be charged, levied, and paid upon table-waters as defined by this section imported into Great Britain or Ireland the following duties of Customs, that is to say:

On table-waters which contain as the result of the ordinary process of manufacture, or are prepared in the ordinary process of manufacture with, sugar or other sweetening material, or which are fermented beverages, a duty at the rate of fourpence per gallon; and

On any other table waters a duty at the rate of eightpence per gallon.

(2) In this section "table-waters" includes any aerated waters and any beverages to be sold or kept for sale in bottles other than (a) Any liquor for the retail sale of which an Excise licence was at the time of the passing of the Finance (New Duties) Act, 1916, required; and (b) Syrups or other liquors intended to be consumed only in a diluted form.

The whole of the income-tax part of the Bill was carefully gone over and some modifications were made—e.g., the rates on unearned income not exceeding 2,000*l.* were reduced by 6d. per pound, so that the tax on those up to 500*l.* is 3s. per pound.

Trade Notes.

GLASS-BLOWN ARTICLES are offered cheap by Mr. H. A. V. Coles, 4 Rue de la Comète, Paris.

COURTIN & WARNER, 8 Harp Lane, London, E.C., give a list of fine chemicals and essential oils which they have in stock and can offer at advantageous prices.

AN ILLUSTRATED PRICE-LIST of the "Vevax" sponge bags and wraps is inserted in the C. & D. this week by Mr. R. J. Reuter, 69 Carter Lane, London, E.C.

CORVUSINE AGENCIES are now being fixed up for the autumn by Hawker & Botwood, Ltd., 59 Mark Lane, London, E.C., the proprietors of this seed-dressing.

OZOMINT is a new tooth-paste made by Cuxson, Gerrard & Co., Ltd., Oldbury, to replace the German "Peboco." Particulars are given in an advertisement in this issue.

ASPIRIN AND SALOL.—The American Commerce Co., Ltd., 9 St. Bride Street, London, E.C., have shipments of acetyl-salicylic acid and salol arriving, and are prepared to quote close prices.

MOOVOL is a stain-remover made by William Edge & Sons, Ltd., Bolton. It is a popular article for removing iron-mould and other stains from fabrics, and is packed in collapsible tubes to sell at 6d. and 1s.

TOILET-LINES.—Mr. Robert Blackie, Shen Works, Tower Bridge Road, London, S.E., announces three new lines in toilet-articles—viz., Fett powder, Russian face-powder, and Cologne face-powder. Particulars are given in Mr. Blackie's advertisement.

THREE ANTIS.—Duncan, Flockhart & Co., Edinburgh, and 155 Farringdon Road, London, E.C., offer three special articles for the use of soldiers. These are anti-parasitic powder, antiseptic tooth-powder, and anti-thirst tablets. Showcards are supplied to assist the sale.

ACETANILIDE.—E. H. Butler & Son, 93 Humberstone Gate, Leicester, are now making acetanilide (antifebrin), and invite applications for quotations for either crystals or powders. Samples which have been submitted to us show that the quality conforms with pharmacopoeial requirements.

AYRTON, SAUNDERS & Co., LTD., Liverpool, issue periodically supplements to their price-list of chemicals and tablets. This we recently mentioned, noting how well the work is done. The June issue consists of thirty-six pages, and chemists who have not received a copy should send a postcard request for one.

ALLEN & HANBURYS, LTD., will close their general offices and warehouses, Bethnal Green, London, E., for stock-taking from June 28 to 30. During that time small and urgent orders can be executed from 37 Lombard Street, E.C., and 7 Vere Street, Cavendish Square, W.

SOLAC.—Referring to the note in the C. & D., May 20, p. 61, Solac, Ltd., inform us that in the making of solac no soya-bean oil is used. The company state that their patent process prevents the soya oil leaving the soya meal. The fats used in solac are special fats.

CARMEX is the name now given by William Browning & Co., 4 Lambeth Palace Road, London, S.E., to their semiprolin carminative, which is an excellent thing for children. Carmex is on the P.A.T.A. list to retail at the minimum price of 1s. 3d., and the wholesale price is 1s. per dozen. Carmex is now being well advertised in ladies' journals.

ICY-HOT VACUUM FLASKS.—The prices given last week in the advertisement of Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C., sole agents for Icy-Hot bottles and vacuum flasks, are not those current at the present time. Chemists should make direct inquiries as to the present prices, which vary from time to time and are influenced by factors not under control of the agents.

DIGITALIS-LEAVES.—Stafford Allen & Sons, Ltd., Cowper Street, Finsbury, London, E.C., are advertising in this issue the new season's digitalis-leaves, which they supply to the wholesale trade in 1-lb. tins. As is well known, Stafford Allen & Sons' digitalis-leaves are the standard for the whole world, owing to the special care taken in the collection, drying, and preservation. The leaves are physiologically tested before packing as to their activity.

THERMOS CATALOGUE.—Thermos, Ltd., 8 Long Lane, Aldersgate, London, E.C., have brought out a new list of thermos bottles, jugs, carafes, etc., which are manufactured expressly for the company in the United States. The list is well produced. It explains the construction of vacuum vessels and the special features of the Thermos productions. The list gives illustrations of the bottles, food-jars, butter and cream jars, carafes, and jugs, as well as the travelling-cases. The catalogues do not give prices, as they are supplied to retailers for distribution to customers. Application for supplies should be made to Thermos, Ltd.

SWISS CHEMICAL-MAKERS.—Lüdy & Co., Burgdorf, Switzerland, are Swiss makers of fine chemicals and pharmaceutical products. As it will be a long time before the civilised world will care to deal with German chemical-makers, it is as well that makers in neutral and allied countries should be considered. The special manufacturers of Lüdy & Co. are silver salts—proteinate, nucleinate, citrate, and colloidal—especially one called solargyl, which contains 30 per cent. of silver combined with a protid, and dissolves readily in water. Other products are sulfogenol, a preparation analogous to ichthyl and glycerophosphates, tannin albuminate, methylen-ditannin, menthol valerianate, sapokresol, and sapoformal. The firm also make Bronchitin, leciferrosc, leciferrose arsenical, and ferrocitol.

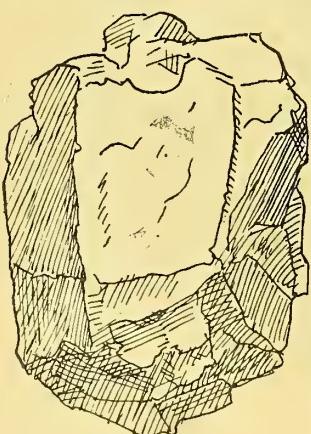
NEWFOUNDLAND COD-LIVER OIL.—Job Bros., Tower Buildings, Water Street, Liverpool, send us a sample of their Newfoundland non-freezing medicinal cod-liver oil of 1916 make. It is a limpid oil of a rich golden-yellow colour, and almost free from odour and taste. The firm inform us that it is made from prime selected livers only, according to the latest manufacturing processes; and we may add that since the recent improvement in the quality of Newfoundland oil it is now fully equal to the finest Norwegian. We learn that—

"Last season the quantity of Newfoundland cod-liver oil imported into this country was probably four times greater than any other period within the last twenty years, and many repeat orders were received from retailers. Newfoundland oil is still several shillings per gallon cheaper than Norwegian, but the difference is lessening, principally because America (always a large buyer) has appreciated the fact that the Newfoundland oil is quite as good as Norwegian. Last year America commenced buying extremely heavily in September, her principal buying season. The price of Newfoundland oil, therefore, will probably be comparatively higher next September than it is to-day, on account of this large American demand."

THYMOL.—We have received from Mr. H. Rubeck, 59 Mark Lane, E.C., a magnificent specimen of thymol manufactured

by him from Spanish oil of red thyme. The accompanying sketch of a crystal is the exact size of the original—namely, $2\frac{1}{4} \times 1\frac{1}{2} \times 1\frac{1}{4}$ in. It weighs exactly 650 gr. Another crystal measures $2\frac{1}{4} \times 2 \times 1\frac{1}{4}$ in., and is somewhat lighter; and a third is $2\frac{1}{2} \times 2 \times 1$ in., and is also thinner and lighter. These are the largest crystals of pure thymol that we have seen; they prove conclusively that thymol equal to the German-made article is now being produced in this country, and that the manufacture is one of the things that should remain with us. We may add that the thymol

is perfectly dry, is water-white, and is supplied by Mr. Rubeck to wholesale buyers at prices which he will be glad to furnish to them on application.



New Books.

Barr, W. I.K. Therapy in Pulmonary Tuberculosis. $8\frac{1}{2} \times 5\frac{1}{2}$. Pp. 82. 3s. 6d. (Wright & Sons, Ltd., Bristol.) [The letters "I.K." stand for "immunekörper," the English of which is immune substances. Dr. Barr, the district tuberculosis officer for the West Riding of Yorkshire, who has found but scanty references to the Spengler method of treating tuberculosis, has written this short treatise to make up the deficiency. Full details of the action, dilution, administration, absorption, dosage, and reactions are given. Results obtained by the author are set out in a series of tables. He states that "as I.K., properly and scientifically used, has achieved results not unworthy of note, it merits genuine consideration and just criticism."]

Gregory, R. A. Discovery, or the Spirit and Service of Science. 1916. $7\frac{1}{4} \times 4\frac{1}{4}$. Pp. xii + 340. 5s. net. (Macmillan & Co., London.) [A popular book which is the result of the attention recently given to the position of science in the State, its relation to industry, and its relative neglect in British education. The book consists of twelve chapters—viz., Outlook and Endeavour, Truth and Testimony, the Scientific Mind, Pursuit of Knowledge, Belief and Evidence, Inquiry and Interpretation, Law and Principle, Conquest of Disease, Scientific Motive, Practical Purpose, Across the Border, Towards Infinity—with a biographical index and eight excellent illustrations as follows: Wisdom, or the Spirit of Science (E. A. Abbey), The Spirit of the Summit (Lord Leighton), Science (Kenyon Cox), Urania—the Muse of Astronomy (R. Earlom), The Thinker (A. Rodin), Science (G. da Bologna), Science Revealing the Treasures of the Earth (E. A. Abbey), and Apotheosis of the Sciences (P. A. Besnard). Professor Gregory, in his association with "Nature," has excellent facilities for getting to know the truth, and writes in a sound manner.]

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

- (From the "Trade-marks Journal," June 7, 1916.)
- "ACELLATE" above letter S in square ("S" disclaimed); for cellulose acetate (1). By W. J. Stevenson, 10 St. Paul's Road, Bournemouth. 372,145.
 - "THRESOL"; for chemicals (1), and for goods (47). By T. Howse, Ltd., Smethwick. 372,798/9.
 - Square-shaped device surrounded by letters "R I T O," for chemicals (2); "Riro," for medicinal chemicals (3). By the Molassine Co., Ltd., East Greenwich. 372,554 (Associated). 372,585.
 - "BACIFORM"; for a preparation for use after shaving (3). By W. T. Warhurst, Ltd., Bootle. 371,385.
 - "SPARTO"; for a headache-remedy (3). By Walker Drug Co. Inc., Schenectady, N.Y. 371,283.
 - "TONAGEN"; for medicated foods (3), and for foods (42). By Ferris & Co., Ltd., Bristol. 371,640/1. (Associated.)
 - "BRUNOL"; for medicinal chemicals (3). By Strange & Graham, Ltd., 50 City Road, E.C. 372,226.
 - "APWA"; for medicinal chemicals (3). By Curtis & Co., 48 Baker Street, W. 372,572.
 - "ASQUIN" and "ASQUINOIDS"; for medicinal chemicals (3). By M. F. Pratt, 67-68 Bolsover Street, W. 372,735/6. (Associated.)
 - "BROMOGRAPH"; for photographic papers (39). By T. Illingworth & Co., Ltd., Park Royal, Willesden Junction. 372,337.
 - "Cowpos"; for food-substances (42). By H. Becker, 105 Upper Thames Street, E.C. 371,855.
 - "Boy SCOUT"; for food-substances (42). By G. Harker & Co., Ltd., 101-103 Upper Thames Street, E.C. 372,033. (Associated.)
 - "JAS"; for a beverage (42). By J. A. Streck, 333 Edgware Road, W. 372,163.
 - "ADANAC"; for food-substances (42). By Swift Canadian Co., Ltd., 1,960 St. Clair Avenue, Toronto. 372,166.
 - "MAMETTE"; for all goods (42). By Evans Sons Lescher & Webb, Ltd., Liverpool. 372,561.
 - "TEKIN"; for food-substances (42). By A. Bendall, 23 Rokeye Avenue, Redland, Bristol. 372,671.
 - "ARTOLENE"; for all goods (47). By R. E. Atkinson, 81 Binn's Road, Old Swan, Liverpool. 372,598.
 - Oval portrait of Michael Bell; for toilet-preparations (48). By M. Bell & Co., Town Street, Horsforth, Leeds. 371,745.
 - "CAROL"; for soap (48). By A. Carreras, Holly Bush, Shiplake-on-Thames. 372,395.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., June 22, 5.30 p.m.

No improvement has taken place in business so far as the Mincing Lane produce-markets are concerned, there being little inducement to operate at the moment. Values, with few exceptions, have a sagging tendency in the absence of support. This applies to Far Eastern produce, with the exception of Japanese slab camphor, which has been in good export demand and is dearer. Menthol and mint oil are cheaper; ipecacuanha and turmeric are easier; cod-liver, coconut, and linseed oils are lower; lemon and lime oils are easier; lignaloe, cananga, and petitgrain oils are higher. Among seeds, mustard, linseed, and coriander are more or less cheaper; canary and fenugreek are slow. The weaker tendency of several of the "light" chemicals is still in evidence. Bromides have suffered a further substantial reduction on the part of leading interests, and the smaller dealers follow. The salicylates, acetyl-salicylic acid, sulphonol, and vanillin are cheaper. Barbitone is dearer, and Japanese Monopoly camphor has been advanced.

Higher	Firmer	Easier	Lower
Amidopyrin	Chamomiles	Ammonia	Bromides
Barbitone	Theobromine	sulphate	Cod-liver oil
Camphor (Jap. slabs)	soda sal.	Copper sulphate	Glueose
Camphor (Monopoly)		Coriander-seed	Linseed oil
Coumarin		Cream of tartar	Linseed oil
Guaiacol		Ipecacuanha	Menthol
carbonate		Lime oil (W.I. dist.)	Mint oil (Jap.)
Heliotropine		Nux vomica	Mustard-seed
Juniper-berries		Potashes (Montreal)	Eape oil
Prussiate of potash		Turmeric	Salicylic acid
Shellac			Salol
			Sodium
			salieylate
			Sulphonol
			Tonka beans (Arg.)
			Turpentine
			Vanillin

Cablegram.

NEW YORK, June 22.—Business in drugs is fair. Menthol has advanced to \$2.95. Guarana is lower at \$1.10, and Curaçao aloes in cascbs is easier at 10c. per lb. Cartagena ipecacuanha is lower at \$2.00. Arnica-flowers have been advanced to 70c. Oregon fir-balsam is lower at 75c., and copaiba balsam is easier at 66c. per lb.

ACETIC ACID.—Although prices for glacial still remain firm, it is difficult to say how long the present inflated rates will remain in force; when the reduction takes place it should be substantial.

ACETYL-SALICYLIC ACID.—Although no appreciable reduction has been made in spot prices, which are from 45s. to 45s. 6d., makers may have to take cognisance of the altered position in salicylic acid, and some look for a substantial reduction in price before long.

ALBUMEN.—At auction (naval prize) 54 cases egg sold at from 2s. 3d. to 2s. 7d. per lb.; 120 casks liquid were bought in.

AMMONIA SULPHATE is easier at from 15s. 15s. to 15s. 17s. 6d. net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16s. 15s. Liverpool is 16s. 17s. 6d., and Leith-Glasgow is 17s. per ton for prompt, less 3½ per cent., in bags f.o.b.

ANISEED is unchanged at 55s. per cwt. for good Spanish.

APRICOT-KERNELS.—At auction 200 bags Californian (naval prize) sold at from 46s. to 47s.; 333 bags Chinese were bought in.

BARBITONE is inquired for, but appears to be almost unobtainable on the spot.

BENZOIC ACID ex toluol is offered at 18s. 6d. to 22s. for prompt delivery as to seller and quantity.

BERGAMOT OIL.—A Sicilian advice, dated June 10, reports a quiet market, prices during the past fortnight having given way; for prompt shipment 14s. c.i.f. London is quoted, spot offering at 14s. 3d. to 14s. 9d. as to seller.

BISMUTH SALTS.—Carbonate is offered from dealers' hands at 12s. 9d. to 13s., subnitrate at from 13s. to 13s. 6d., salicylate at 23s., and acid. salicyl. 40-per-cent. at 21s. per lb.

BROMIDES.—The principal English dealers have again reduced their prices of potassium by 2s. per lb., and now quote 14s.; ammonium is 4s. lower at 11s., and sodium is also 4s. lower at 9s. per lb. There are a few odd lots of potassium still in dealers' hands, who find it necessary to shade these prices. The above reduction emanates in the first instance from America, where the situation is obscure. Two successive reductions in less than a fortnight have, however, undermined the confidence of holders here, who, of course, naturally disapprove of the tactics in loading up buyers on this side and then having the prices reduced against them. Hand-to-mouth buying will therefore prevail, and the reaction may possibly extend to other American products.

CAMPHOR (MONOPOLY) has been advanced to 156s. per cwt. c.i.f. for "B.B." and to 145s. c.i.f. for "B."

CAMPHOR (REFINED).—Japanese refined slabs are dearer, a good business having been done to America at 1s. 8d. on the spot, and 1s. 8½d. is asked at the close; also on c.i.f. terms (June-July shipment) at from 1s. 7½d. to 1s. 8d.

CANARY-SEED is slow of sale at 67s. 6d. to 70s. per quarter for ordinary to good Morocco.

CARAWAY-SEED is steady at 93s. per cwt. for good Dutch.

CASTOR OIL.—English medicinal in barrels is offered at 61s. 6d. to 62s., and first pressing at 52s. to 56s. 6d.; good seconds Calcutta in Liverpool is quoted at 43d. per lb.

CITRIC ACID is more inquired for; from 3s. 8d. to 3s. 9d. is current value.

COCAINE.—Inquiry has revived somewhat; price remains unchanged at 21s. per oz. net for hydrochloride.

COD-LIVER OIL is lower. Several agents continue to quote finest Norwegian medicinal oil (1916) at from 600s. per barrel c.i.f. and upwards, but it is quite probable much less would be taken, and in certain quarters actual business could be done at 500s. and 1915 oil at 450s. per barrel. The reasonable prices at which Newfoundland oil has been obtainable, compared with Norwegian, have led to a certain displacement in consumption of the latter in this country.

The Imperial Trade Correspondent at St. John's, Newfoundland, reports that an Act respecting the refining of cod-liver oil in Newfoundland has recently been passed by the Legislature. The Act orders that, as from June 1, no person in Newfoundland shall engage in the business of refining cod-liver oil without having first obtained a licence from the Department of Marine and Fisheries. (See also *C. & D.*, June 17, p. 39.)

CORIANDER-SEED is rather easier at 21s. per cwt. for good Morocco, but common is steady at 18s. to 20s. per cwt. The quotation for new crop is 20s. 6d. per cwt. c.i.f. terms.

CORROSIVE SUBLIMATE of B.P. quality is offered at about 6s. 3d. per lb. to come forward.

CREAM OF TARTAR is in rather better demand at from 205s. to 207s. 6d. per cwt.

CREOSOTE CARB. is very scarce, with a limited quantity offering at 32s. 6d. per lb.

CUMIN-SEED.—New crop sifted Morocco has been sold at 77s. 6d. to 80s. per cwt. c.i.f. terms for near shipment, but later shipment can be bought at 75s. to 71s. according to position.

DIGITALIS-LEAVES.—New-dried English are quoted at about 2s. 6d. to 3s. per lb.

DILL-SEED has been sold at 25s. 6d. per cwt. c.i.f. terms for new-crop East Indian.

EGG-YOLK.—At auction (naval prize) 897 casks liquid (non-edible) sold at from 3s. to 10s. per cwt., a few lots at 1s. to 2s., and 629 cases at 2s. up to 10s. 6d. per cwt.; also 268 cases *Dried yolk* at from 5s. 6d. to 8s. per cwt., and 55 cases at 8d. per lb.

ERGOT remains flat, with fair sound Russian offering at 2s. 2d. per lb.; 108 bags have arrived from Archangel.

FENNEL-SEED is quoted 30s. to 32s. 6d. per cwt. as to quality.

FENUGREEK-SEED sells slowly at 15s. per cwt. for fair Morocco.

FORMALDEHYDE is offered at 100s. per cwt. for prompt delivery, and even a shade less will buy.

GINGER.—Jamaica is moving off more freely at full prices, including good new crop at 120s. to 130s., medium 110s. to 115s., and common 90s. to 100s. per cwt. on the spot.

GLUCOSE is lower, with crystal corn syrup offering at 30s. per cwt.

GUAIACOL CARBONATE is very scarce, but further supplies are expected during July and August.

GUM ACACIA.—Arrivals from Port Sudan comprise practically 6,000 bags; Kordofan sorts offer on the spot at 67s. 6d. and at 60s. c.i.f.

HENBANE.—The English crop is somewhat below the average, but the price of new biennial extract is practically the same at 10s. to 11s. per lb.

HEXAMINE is unchanged at about 4s. 6d. to 4s. 8d.; in view of the larger shipments which have been made from U.S.A., price should cheapen later.

HYDROQUINONE is offered at 32s. to 35s. per lb. net as to seller.

IPECACUANHA is rather easier, Matto Grosso offering at from 15s. to 18s. 6d. and Cartagena at 10s. per lb.

JUNIPER-BERRIES.—Holders on spot ask the higher price of 27s. 6d. per cwt.

LEMON OIL remains lifeless, shippers offering at 3s. 6d. per lb. c.i.f. for prompt shipment, and 3s. 5d. c.i.f. for July-August shipment, and good brands are obtainable on the spot at from 3s. 6d. to 3s. 8d.

Sicilian shippers consider present prices of lemon oil too low, and that they should be taken advantage of, as the prospects for the new lemon-crop are poor, and a small production is anticipated. Moreover, the producing-season being over, no more oil is offered by the small needy people, and what is now left remains in the hands of strong holders, who are convinced that higher prices will prevail when the demand sets in.

LIME OIL.—West Indian distilled is a shade easier, offering at 8s. 6d. per lb., less 2½ per cent. discount. Sales of hand-pressed have been made at 9s.

LINSEED is lower at 75s. to 78s. per quarter for good quality.

LIQUORICE-ROOT.—Very high prices continue to be asked for common natural Spanish, up to 57s. c.i.f. being quoted.

LYCOPODIUM.—In treble-sifted a small business has been done at 8s. 3d. per lb.

MENTHOL continues inactive, with prices easier, Kobayashi-Suzuki offering at 11s. 9d. on the spot and at 10s. 3d. c.i.f. for July-August shipment. The exports from Japan during March amounted to 68,847 kin, valued at 423,260 yen. During the three months ended March 31 the exports were:

	1914	1915	1916
Kin ...	124,304	111,555	150,505
Yen ...	884,401	609,124	935,768
To	1914	1915	1916
British India ...	5,683	8,921	4,576
Great Britain ...	32,553	24,284	70,195
France ...	5,316	27,329	28,738
Germany ...	44,321	—	—
United States ...	32,129	36,840	42,446
Other countries	4,302	14,181	4,550
Kin ...	124,304	111,555	150,505
Yen ...	884,401	609,124	935,768

MILK-SUGAR remains scarce on the spot, with small lots of Dutch in cases offering at 145s. per cwt. It is said that the Dutch makers are still unable to offer for either prompt or forward delivery, and none is available for export from U.S.A., where the destruction by fire of one of the largest plants has brought about a scarcity.

MINT OIL.—Japanese dementhrolised is easier, spot offering at 3s. 9d. for the usual brands, and at 3s. 12d. per lb. c.i.f.

The exports from Japan during March amounted to 61,289 kin, valued at 147,106 yen. During the three months ended March the exports were:

	1914	1915	1916
Kin ...	129,377	120,696	141,478
Yen ...	393,175	222,936	330,430

MUSTARD-SEED.—The demand having ceased, the price of good English has fallen to 72s. per cwt.

NUX VOMICA.—With fair stocks on spot there is more disposition to sell, and for a string much less than 28s. would be accepted for Cochin.

OILS (FIXED).—Linseed is cheaper at 33s. in pipes and 34s. in barrels on the spot; July-August, 33s. Cotton-seed is lower at 42s. for crude in pipes, 47s. for refined in pipes, and from 52s. to 54s. for sweet refined in barrels—all on spot. Ceylon Coconut is unaltered at 57s. in hogheads and 55s. in pipes, both on spot; Cochin is 57s. to 59s. on spot, and London pressed is lower at 44s. 6d. Ordinary brown crude naked Rape is nominal on spot; British refined in barrels is lower at 48s. to 50s.; Japan in cases is 37s. c.i.f. for June-August shipment.

Soya oil is 37s. c.i.f. for Manchurian in cases for June-July shipment; Hull (spot) extracted is 40s., and crushed 41s. Lagos Palm is 40s. spot, and in Liverpool 32s. is quoted. Ground-nut is quoted at from 50s. to 60s. per cwt. Lard oil is 70s. to 79s. per cwt., Seal 39l. to 50l. per tun, Whale 43l. to 49l., bright Sperm 50l., Cod 36l. to 42l. 10s., Olive 54l. to 56l., all per tun; Neatsfoot oil 4s. 10d. to 5s. 3d. per gal.

OPIUM is unchanged, and little business doing in the Turkey drug. Of Persian about 140 cases have been sold for export to Japan; 10-per-cent. morphine is quoted at from 22s. to 23s. per lb.

ORANGE OIL.—A Sicilian advice, dated June 10, states that the quiet feeling referred to in the previous report has become more pronounced, and holders of existing stocks are more inclined to listen to bids at lower prices; market closes quiet. For prompt shipment 10s. 8d. to 11s. c.i.f. is quoted, spot being about 10s. to 10s. 3d.

PHENAZONE for early delivery is offered at 62s. 6d. per lb.

POTASH CHLORATE.—Crystals offer on the spot from dealers' hands at 2s. 4d. per lb.

POTASH PERMANGANATE.—For small lots from 8s. 6d. to 8s. 9d. is quoted, but larger quantities could be had at slightly less.

POTASH PRUSSIATE is rather dearer at 4s. 9d.; Soda is now 2s. 8d., being relatively cheaper.

ROSIN.—Finest pale 25s. 6d. to 27s. 6d., French virgin 21s. to 22s. 6d., fine to very fine 22s. to 25s., and dark to good 21s. to 21s. 6d. per cwt.

SALICYLATES are offered at lower rates; English B.P. acid and U.S.P. acid powder can be had at 15s. to 15s. 6d. Sodium salicylate is also cheaper, U.S.P. powder offering at 15s. 6d. to 16s. A further reduction is regarded as possible ere long.

SALOL is lower at from 40s. to 42s. per lb.

SARSAPARILLA.—Although Vera Cruz description has advanced in U.S.A. in consequence of the Mexican trouble, spot supplies are still available at 10z.

SENEGA has been selling more freely of late at about 2s. 1d. per lb. net, and for forward delivery 2s. c.i.f. is quoted.

SHELLAC is dearer on spot on the receipt of higher Calcutta prices; the usual standard quality TN is selling on a basis of 94s. 6d. Futures are dearer and in good demand.

SULPHONAL.—Sales have been made at 31s. 6d. spot, being cheaper, but some holders ask 38s. to 34s. per lb.

TAMARINDS.—New crop West Indian, just arrived, offer at 29s. for Barbados and 24s. for Antiguas.

TARAXACUM.—No autumn-dug appears to be available, and the price is nominal at about 105s. per cwt.

TARTARIC ACID.—The bulk of the cheap lots offering by weak holders at about 3s. 6d. now appear to have been cleared, and 3s. 8d. is fair current value.

TONKA BEANS.—Angostura are cheaper, good-frosted offering at 2s. 9d., and good black Para at 1s. 6d.

TURMERIC is easier, fair Madras finger offering at from 40s. to 42s. 6d. per cwt.

TURPENTINE is lower, American closing at 40s. per cwt. on the spot. French is offered at 41s., and Russian is unobtainable.

VANILLIN is offered at the lower rate of from 37s. to 38s. per lb. for 100-per-cent. pure.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of May 27 and 28:

AGAR-AGAR.—Commandeered stocks having been sold under official sanction, the market is again cleared, and only very small quantities of ordinary strips are offered at m.17.25 to m.17.50 per kilo., first white strips at m.18.25 to m.18.50, and extra white strips at m.18.75 to m.19 per kilo.

CONDURANGO is quoted at m.200 per 100 kilos.

ELEMIS remains in active demand, and m.550 per 100 kilos. is asked.

ERGOT is entirely neglected at present.

GALLIC ACID.—Dearer, at m.9 to m.10 per kilo. for crystallised.

JALAP.—Dearer, fair druggists' being m.350 per 100 kilos. up to m.425 for the better qualities.

Lycopodium.—Demand has fallen off on account of the very high price of m.12 per kilo.

OILS (ESSENTIAL).—Prices per kilo.: Anise, star, "Red Ship," m.17; Bergamot, m.45; Cloves, m.30; Eucalyptus globulus, m.8.50; Lemongrass (Ceylon), m.8; Lime, m.14; Menthol, quiet and not wanted at m.50; American Pepper-mint, m.65.

Quillaja.—Whole bark is not to be had, and prices for cut have advanced considerably.

SHELLAC remains in active demand. TN has been sold at from m.760 to m.765, and lemongrass at from m.810 to m.815 per 100 kilos.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals during the period June 14 to 20, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

- Acetic ac. (U.S.A.) 48 brls.
- Agar-agar 58
- Albumen 106
- Alcohol (Fr.) 10 cts. (Archangel) 693 dms.
- Aloes (B'bay) 72 kgs.
- Alum 1,055 brls.
- Ammon. phosph. 141
- Anise (Sp.) 140
- Annatto (W.I.) 256
- Arachis oil 600 cks.
- Argol (Port.) 174
- Asafetida 18 cts.
- Barytes (Sp.) 2,000
- Bellad.-root (B'bay) 56 bgs.
- Benzoin 115 os.
- Birdlime (Jap.) 58 cs.
- Bromides (Boston) 118 cs.
- Calumba 161
- Camphor, ref. 764 pkgs.
- Camphor oil 100 cs.
- Capsicums (E.I.) 586
- Caraway oil 4 cs.
- Cardamoms 84
- Casein (Fr.) 963, (N.Z.) 294.
- Cashew-nuts 192
- Cassia-bark 516 bls. 1,750 cs.
- Cassin lignea 500 cs.
- Castor oil (E.I.) 600 cs. 472 cks.
- Castor-seed (E.I.) 683, (Egy.) 41
- Chemicals, drugs, etc. (Fr.) 153 pkgs., (N.Y.) 661
- Chillies (Jap.) 100
- Citric acid (Paler-mo) 230 cks.
- Citronella oil 21 pkgs., (Java) 43 dms.
- Cloves 15
- Coconut oil 355 pkgs. 39 pps. 22 pns. 4,780 cs. 266 dms.
- Colocynth 220
- Copra 7,051
- Cottonseed 331 t. 106 bgs.
- Cream of tartar (Palermo) 38 cks.
- Cubeba (B'bay) 17
- Cuttlefish-b. 3
- Dental cream (N.Y.) 100 cs.
- Dextrin 250
- Divi-divi 230
- Dragon's blood (S'pore) 13, (N.Y.) 11
- Drugs (Fr.) 29 cs., (Melbourne) 45 pkgs.
- Ergot (Port.) 10, (Archangel) 108
- Essential oils (R'dam) 11 cs., (Fr.) 17 cs., (Ch.) 30 cs., (N.Y.) 52 cs., (W.I.) 16 cs., (Sic.) 84 pkgs. 20 cs., (Java) 16 dms.
- Face-cream (N.Y.) 699 cs.
- Formaldehyde 180
- To Bristol.*—Linseed (R. Pl.) 2,600 tons. (Fr.) 75 pkgs.; perfume (Fr.) 78 pkgs.
- To Folkestone.*—Drugs (Fr.) 29 cs.; rose-water (Fr.) 26 chys.
- To Hull.*—Castor-seed 18,791; chemicals (Norw.) 310 os.; ood oil (Norw.) 77 brls.; cottonseed 9,471; formic acid (R'dam) 107; linseed 47,145 bgs., molasses 49,603 cwt.; petrolatum 35; rape-seed 4,197; teel-seed 1,788; soda nitrate 36,659 bgs.; whale oil 500,000 gals.
- To Manchester.*—Calcium carbide 3,760; lead acetate (N.Y.) 98 brls.; phosphorus (Mont.) 500 cs.; soda chlorate (Mont.) 300 dms.; soda perborate (Fr.) 10 cks.; tartar emetic (N.Y.) 20 cks.
- To Southampton.*—Medicinal herbs (Cherbourg) 219 pkgs.; pharm. products (Fr.) 18 pkgs.

Fullers' earth 70

Galls (Ch.) 500

Ginger (Jam.) 103

Glycerin (N.Y.) 352 dms.

Ground-nuts 1,246 t. 305 bgs.

G. acacia (E.I.) 269, (Sudan) 5,922

G. copal 1,334

G. damar 1,524 pkgs.

G. kauri 50 cs.

Gums, undescribed (E.I.) 343 pkgs. 16 cs., (M'bouruc) 10 cs.

Herbs (Sp.) 25 bgs.

Honey (St. Luc.) 50 cs., (Jam.) 950

Hyoscyamus mut. (Egypt) 338

Indigo (E.I.) 213, (Java) 28 cs.

Ipecacuanha 7, (Bahia) 23

Jalap (N.Y.) 115

Lactic acid (Boston) 271

Lemon-juice (Sic.) 19 pps.

Lemon oil (Sic.) 20 pps. 21 1/2-pps. 5 cs. (see also Ess. oils)

Lime-juice 201 pns. 75 cks. 18 pps. 13 hds.

Linseed (E.I.) 26,558

Liquorice-ju. (Sp.) 80 cs. (Fr.) 40 cs.

Logwood 405 tons

Mace, wild 60 cs.

Manna 5 cs.

Medicines (Boston) 105 cs., (Japan) 20

Menthol 61 cs.

Menthol and oil 165 cs.

Milk-powder (N.Y.) 276

Mint oil (Jap.) 130 cs.

Nutmegs 50

Nux vom. (E.I.) 341

Oils, fixed: Arachis 1,000, colza 1,000 cs. 120 cks., ns. 2,500 cs., soya 2,500 cs. 250 cks., wood 60 cks. 760 cs.

Obilanum 265

Olive oil (Sp.) 211 pkgs. 115 brls., (Fr.) 20 cs.

Opium (B'bay) 101

Orange-peel 18 cs.

Panopepton, etc. 145 cs.

Pepper (Cey.) 26, (Malta) 171, (S'pore, etc.) 7,968, (Java) 142

Peppermint oil (N.Y.) 51 cs.

Perfumery (Fr.) 31 cs.

Petroleum emul. 5,193 bxs. 40 1/2-brls.

Pimento 2,001

Potash iodide (Jap.) 30 cs.

Potash, undescribed (Archangel) 161 cks.

Quicksilver (Sp.) 3,000 bott.

To Goole.—Almond oil (Fr.) 77 brls.; cottonseed 9,471; formic acid (R'dam) 107; linseed 47,145 bgs., molasses 49,603 cwt.; petrolatum 35; rape-seed 4,197; teel-seed 1,788; soda nitrate 36,659 bgs.; whale oil 500,000 gals.

To Grimsby.—Dyes (Fr.) 770 pkgs.

To Hull.—Castor-seed 18,791; chemicals (Norw.) 310 os.; ood oil (Norw.) 77 brls.; cottonseed 9,471; formic acid (R'dam) 107; linseed 47,145 bgs., molasses 49,603 cwt.; petrolatum 35; rape-seed 4,197; teel-seed 1,788; soda nitrate 36,659 bgs.; whale oil 500,000 gals.

To Manchester.—Calcium carbide 3,760; lead acetate (N.Y.) 98 brls.; phosphorus (Mont.) 500 cs.; soda chlorate (Mont.) 300 dms.; soda perborate (Fr.) 10 cks.; tartar emetic (N.Y.) 20 cks.

To Southampton.—Medicinal herbs (Cherbourg) 219 pkgs.; pharm. products (Fr.) 18 pkgs.

Fuller's earth 70

Galls (Ch.) 500

Ginger (Jam.) 103

Glycerin (N.Y.) 352 dms.

Ground-nuts 1,246 t. 305 bgs.

G. acacia (E.I.) 269, (Sudan) 5,922

G. copal 1,334

G. damar 1,524 pkgs.

G. kauri 50 cs.

Gums, undescribed (E.I.) 343 pkgs. 16 cs., (M'bouruc) 10 cs.

Herbs (Sp.) 25 bgs.

Honey (St. Luc.) 50 cs., (Jam.) 950

Hyoscyamus mut. (Egypt) 338

Indigo (E.I.) 213, (Java) 28 cs.

Ipecacuanha 7, (Bahia) 23

Jalap (N.Y.) 115

Lactic acid (Boston) 271

Lemon-juice (Sic.) 19 pps.

Lemon oil (Sic.) 20 pps. 21 1/2-pps. 5 cs. (see also Ess. oils)

Lime-juice 201 pns. 75 cks. 18 pps. 13 hds.

Linseed (E.I.) 26,558

Liquorice-ju. (Sp.) 80 cs. (Fr.) 40 cs.

Logwood 405 tons

Mace, wild 60 cs.

Manna 5 cs.

Medicines (Boston) 105 cs., (Japan) 20

Menthol 61 cs.

Menthol and oil 165 cs.

Milk-powder (N.Y.) 276

Mint oil (Jap.) 130 cs.

Nutmegs 50

Nux vom. (E.I.) 341

Oils, fixed: Arachis 1,000, colza 1,000 cs. 120 cks., ns. 2,500 cs., soya 2,500 cs. 250 cks., wood 60 cks. 760 cs.

Obilanum 265

Olive oil (Sp.) 211 pkgs. 115 brls., (Fr.) 20 cs.

Opium (B'bay) 101

Orange-peel 18 cs.

Panopepton, etc. 145 cs.

Pepper (Cey.) 26, (Malta) 171, (S'pore, etc.) 7,968, (Java) 142

Peppermint oil (N.Y.) 51 cs.

Perfumery (Fr.) 31 cs.

Petroleum emul. 5,193 bxs. 40 1/2-brls.

Pimento 2,001

Potash iodide (Jap.) 30 cs.

Potash, undescribed (Archangel) 161 cks.

Quicksilver (Sp.) 3,000 bott.

Fuller's earth 70

Galls (Ch.) 500

Ginger (Jam.) 103

Glycerin (N.Y.) 352 dms.

Ground-nuts 1,246 t. 305 bgs.

G. acacia (E.I.) 269, (Sudan) 5,922

G. copal 1,334

G. damar 1,524 pkgs.

G. kauri 50 cs.

Gums, undescribed (E.I.) 343 pkgs. 16 cs., (M'bouruc) 10 cs.

Herbs (Sp.) 25 bgs.

Honey (St. Luc.) 50 cs., (Jam.) 950

Hyoscyamus mut. (Egypt) 338

Indigo (E.I.) 213, (Java) 28 cs.

Ipecacuanha 7, (Bahia) 23

Jalap (N.Y.) 115

Lactic acid (Boston) 271

Lemon-juice (Sic.) 19 pps.

Lemon oil (Sic.) 20 pps. 21 1/2-pps. 5 cs. (see also Ess. oils)

Lime-juice 201 pns. 75 cks. 18 pps. 13 hds.

Linseed (E.I.) 26,558

Liquorice-ju. (Sp.) 80 cs. (Fr.) 40 cs.

Logwood 405 tons

Mace, wild 60 cs.

Manna 5 cs.

Medicines (Boston) 105 cs., (Japan) 20

Menthol 61 cs.

Menthol and oil 165 cs.

Milk-powder (N.Y.) 276

Mint oil (Jap.) 130 cs.

Nutmegs 50

Nux vom. (E.I.) 341

Oils, fixed: Arachis 1,000, colza 1,000 cs. 120 cks., ns. 2,500 cs., soya 2,500 cs. 250 cks., wood 60 cks. 760 cs.

Obilanum 265

Olive oil (Sp.) 211 pkgs. 115 brls., (Fr.) 20 cs.

Opium (B'bay) 101

Orange-peel 18 cs.

Panopepton, etc. 145 cs.

Pepper (Cey.) 26, (Malta) 171, (S'pore, etc.) 7,968, (Java) 142

Peppermint oil (N.Y.) 51 cs.

Perfumery (Fr.) 31 cs.

Petroleum emul. 5,193 bxs. 40 1/2-brls.

Pimento 2,001

Potash iodide (Jap.) 30 cs.

Potash, undescribed (Archangel) 161 cks.

Quicksilver (Sp.) 3,000 bott.

Fuller's earth 70

Galls (Ch.) 500

Ginger (Jam.) 103

Glycerin (N.Y.) 352 dms.

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July 4, 1914, that 100 per cent. of the samples examined in 1910-12 conformed to this limit, but only 93 per cent. of those examined in 1913 conformed, the highest recorded being 20 parts per million, compared with 0.5 and 0.6 part in the prior three years. Considering that medicinal sodium sulphate has been so good in the past, pharmacists should take special care to ensure that they get the proper product now.—EDITOR C. & D.]

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

W. (250/59).—Glycer. acid. tannic, gly. boracis, gly. acid. boric., and gly. acid. carbolic. are medicines of the British Pharmacopœia, and may be sold without a physician's prescription.

M. P. S. (249/29).—A business formed by the amalgamation of one established in 1844 with another established in 1812 may fairly be said to have been "founded in 1812" and no illegality is committed by changing 1844 to 1812.

Wontal (244/39).—The terms of Section 17 of the Pharmacy Act, 1868, as regards the businesses of deceased chemists and druggists are perfectly clear—viz., "Upon the decease of any . . . chemist and druggist actually in business at the time of his death, it shall be lawful for any executor, administrator, or trustee of the estate of such . . . chemist and druggist to continue such business if and so long," etc. From your statement it appears that in the case in which you are interested the business was bequeathed to a son of the deceased chemist, there being no trust, consequently the business is the son's absolutely and is not under trust, so does not come within the terms of Section 17, and if the son continues to carry it on he is exactly in the same position as if he were to start the business of a chemist and druggist. The only way he can carry it on legally is to take advantage of the Poisons and Pharmacy Act, 1908, Section 3 (4), as regards companies.

Iodine (69/23) asks if under the Army Council's Regulations (C. & D., May 20, p. 49) a chemist must refuse to supply a responsible officer with (1) "Allenbury" red-gum, menthol, and cocaine throat-pastilles; (2) "tabloid" aromatic chalk and opium; (3) corn-paint containing ext. cannab. indicæ; (4) chlorodyne; and (5) Board of Health cholera-mixture. [The Army Council's order is not made under the Pharmacy Act, 1868, but we expect that the practice followed therein will also apply. Nos. 1, 2, 4, and 5 are preparations of scheduled poisons, and cannot be retailed without labelling "Poison"; but this does not apply to No. 3. It was for such reasons that we said on May 20, p. 59, "The Order applies to many perfectly innocent things in common demand—e.g., a cough-mixture containing a little paregoric, a bottle of coca-wine, a shilling box of ipecac-and-codeine pastilles, and a bottle of 'tabloid' barbitone."] We consider that you are entitled to sell glycerin and rose-water and glycerin-jelly which were in stock before the glycerin order was issued by the Minister of Munitions.

Miscellaneous Inquiries.

C. T. H. (8/5).—LUMINOUS PAINT.—Becquerel pointed out many years ago that the production of phosphorescent calcium sulphide depends upon the presence of certain impurities. A calcium sulphide made from pure calcium carbonate and sulphur is but slightly luminous, but if traces of soda, manganese, bismuth, lithia, potash, or rubidium are present there is more luminosity, the colour varying with the particular extraneous matter employed. It is, we imagine, because of the need for a suitably impure calcium carbonate that Balmain, the inventor of luminous paint, used oyster-shells. Balmain's formula is:

Finely powdered calcined oyster-shells	...	...	...	20 grams
Sulphur	...	...	...	6 grams
Starch	...	...	...	2 grams
Bismuth nitrate	...	0.55 gram in 8 c.c. of acridized alcohol		
Alcohol	...	...	...	100 c.c.

The mixture is exposed to the air until the alcohol has evaporated, and is then calcined. After calcination the upper layer, consisting of calcium sulphate, is removed, and the remainder of the mass powdered and again heated for fifteen minutes.

M. P. S. (245/25).—(1) See the article on glycerin-substitutes in the C. & D., May 20, p. 60, where a formula for VANISHING CREAM without glycerin is given. (2) The simplest method of converting hydrogen-peroxide solution 20 volumes to 10-volume solution is to take 1 part of the 20 volumes and dilute with distilled water to 2 parts.

T. & M. (221/58).—WEED-KILLER.—We went into the question of the efficacy of weed-killers rather fully in *The Chemist and Druggist Diary*, 1910, with the result that the consensus of opinion is that carbolic acid is the most deadly weed-killer. It has been found at the Woburn Experimental Station that a 5-per-cent. solution of carbolic acid will kill "everything green," and the Vermont Agricultural Experiment Station reported that crude carbolic acid (1 pint in 4 gals. of water) applied at the rate of 8 gals. per rod is "very efficient." We suggest that as you have found arsenical preparations ineffective, you should try carbolic acid as mentioned above.

K. W. (219/9).—(1) MEDICINAL-PLANT GROWING.—This was dealt with exhaustively in *The Chemist and Druggist Diary*, 1908. A paper on the subject was contributed to the "Journal of the Board of Agriculture" by Mr. W. A. Whatmough, B.Sc., since reprinted as Leaflet No. 288, which you can obtain free on application to the Board of Agriculture and Fisheries, Whitehall Place, London, S.W. (2) BOOKS ON HOMEOPATHIC TREATMENT.—Ruddock's "Homeopathic Vade-mecum" (Homeopathic Publishing Co., 5s.); Clarke's "Prescriber: Dictionary of New Therapeutics" (4s.); Hughes's "Principles and Practice of Homœopathy" (Leath & Ross, 16s.).

M. M. R. (172/15).—(1) MEDICAL TREATMENT.—Alternative books to "Diseases and Remedies" are Latham's "Dictionary of Medical Treatment" (Churchill, 6s. 6d.) and Quain's "Dictionary of Medicine" (Longmans, 21s.). (2) DICTIONARY OF MEDICAL TERMS.—This was published originally in *The Chemist and Druggist Diary*, 1907, but in the book-form in which it was afterwards printed many additions were made. Other books on this subject are: Mayne's "Medical Vocabulary" (Churchill, 12s. 6d.); Hoblyn's "Dictionary of Terms used in Medicine, etc." (10s. 6d.); Dorland's "Pocket Medical Dictionary" (W. B. Saunders, 5s.).

Simplex (235/50).—PREVENTING INSECT-PESTS.—It is probably a form of naphthaline which the horticulturist to whom you allude employs beneath rose-trees for the purpose of preventing green-fly attacks. A proprietary form of naphthaline is known as vaporite.

Cymro (242/68).—TINCTURA LITHANTRACIS.—Coal-tar tincture used in the treatment of skin-diseases is made as follows:

Coal-tar	...	...	...	30 parts
Spirit (90-per-cent.)	...	...	..	20 parts
Ether	...	...	...	10 parts

Shake together in a well-closed flask, then allow to stand till clear. The separation of the undissolved portion of the tar is assisted by the addition of a small quantity of finely powdered French chalk.

R. M. L. (239/37).—The method of polishing vulcanite referred to in the C. & D., June 3, p. 52, is applicable to vulcanite dentures. In this case machine-rotated polishers are employed.

A Father (245/42).—SLEEP-WALKING IN CHILD.—The child should be encouraged to play out of doors, all excitement and educational pressure should be avoided. A simple meal of, say, milks and bread-and-butter should be given about two hours before bedtime. Ten grains of sodium bromide or ammonium bromide should be given at bedtime for a few nights with a view to breaking off the habit; if successful, it should be discontinued. Someone should always sleep in the same room, and door and windows should be kept fast.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1866.

Report of the Pharmacopœia Committee.

Dr. Quain presented [to the General Medical Council] the following: "The Pharmacopœia Committee have to report that, since the date of their last report, Messrs. Redwood and Warington have continued to be engaged in the duty assigned to them; and they have so far completed their work that the whole of the matter, with the exception of the appendix, is now in type. The Committee have reason to hope that the volume will be ready for circulation, in proof, amongst the members of the Council, in three months from the present time."

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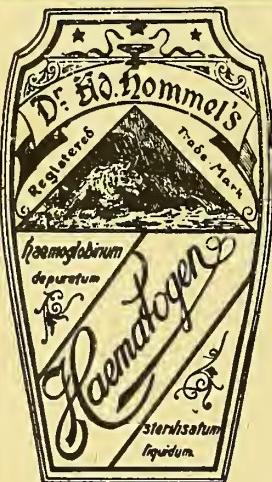
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who supplies a counterfeit and fraudulent product for substitution purposes.

Ergoapiol (Smith) capsules bear on the inside of each capsule the letters M. H. S.

These letters are not visible from the outside, but they are plainly discernible in the gelatine when the capsule is cut in half.

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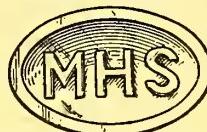
We have been manufacturing Ergoapiol (Smith) with this patented protective mark for the past two years, but have withheld announcing the fact, so as to give reasonable and ample time for all the old style capsules to have been dispensed.

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Patented in U. S. and foreign countries.

Capsule intact, showing no mark objectionable to the physician.



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Ergoapiol (Smith) is to be had only in packages of twenty capsules each. It is not *under any circumstances* supplied in bulk or other form.

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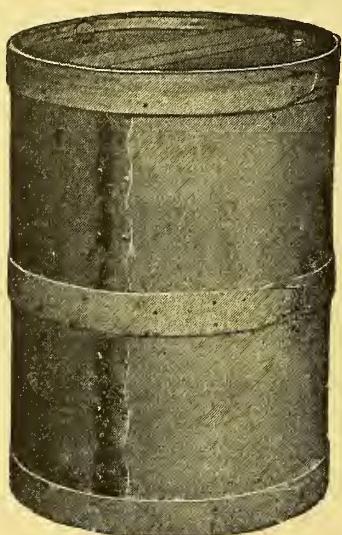
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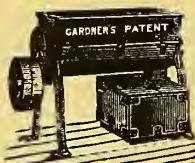
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CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.
Plain or graduated.

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Aacetanilide, B.P., 1 lb. @ 9/6 lb.; powder, 1d. lb. extra.	Argent. Nit., 6's to oz., 25 oz. @ 2/3 oz.; 1 oz. @ 2/5 oz.	Creasote, Beechwood, P.B., 7 lbs. @ 25/- lb.
*Acet. Ipecac., B.P., 6 lbs. @ 2/4 lb. " Scilla, P.B., 6 lbs. @ 5d. lb.	Argent. Nit., Cryst., 25 oz. @ 2/2½ oz.; 8 oz. @ 2/3 oz.	Creta c. Campb., 7 lbs. @ 10d. lb. " Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.; 1 cwt. @ 11/- cwt.; 14 lbs. @ 1½ d. lb.
*Acid. Acet. Glacial, 99%, 6 lbs. @ 4/- lb. " Acetyle-Salicyl. 1 lb. @ 52/- lb. Benz., B.P., 7 lbs. @ 20/- lb.; 1 lb. @ 20/6 lb.	Arsenic, Alb. Pulv., 2 cwt. @ 43/6 cwt.; 7 lbs. @ 5d. lb.	Præparata, 7 lbs. in box @ 1/2 each.
" Boric Pulv., 3 cwt. @ 54/9 cwt.; 1 cwt. @ 55/9 cwt.; levigat. 3/- cwt. or 1d. lb. extra. Carbol. Xtls., 39/40; 56. drums @ 2/1 lb.; 121-lb. Bots. @ 2 1/2 d. lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2.8 lb.; Crude Black, 45 gall. casks @ 1/l gal.; 5 gall. drums @ 1/8 gall.; 1 gall. tins @ 2/2 each.	Atropinae Sulph., P.B., 1 oz. @ 152/6 oz. Auri Chlor., 6 doz. 15 gr. tubes, @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.	Cubeba, English Ground, 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/8 lb.
" Citric, cryst., B.P., '85, 7 lbs. in bags @ 3/10 lb.; powder, 1d. lb. extra. " Dietylbarbituric, 1 oz. @ 5/6 oz. " Gallic, pur., P.B., 7 lbs. @ 7/3 lb.; 1 lb. @ 7/6 lb.	Bals. Copaiæ, pure, 44 lbs. @ 3/9 lb.; 9 lbs. @ 4/- lb.; 1 lb. @ 4/3. " Peruv., P.B., 1 lb. @ 23/- lb. " Sulphur, 7 lbs. @ 10½ d. lb.	*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/- lb.; Sinecroco, 6 lbs. @ 1/3 lb. " Cinchona (Rubra) Conc., 1-7, 6 lbs. @ 2/2 lb. " Senegæ Conc., 6 lbs. @ 2/10 lb.
" Hydrochlor. Coml., cases of 4 2-gal. jars, 28/6 each; 20 case lots @ 27/6 each. " Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.	Bismuth, P.B., Carb., 3 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.; submit, same price.	Emp. Spread, 12 yards × 16 ins. adhesive, 6/-; Bellad. B.P.C., Green @ 28/6; Cerat. Sapomis @ 12/4; Picis Co. @ 12/4; Plumb. @ 10/-; Resina @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
" Oxalic Cryst., 1 cwt. @ 2/0½ lb.; 14 lbs. @ 2/2 lb. Phosph. Dil. B.P., 6 lbs. @ 5d. lb. Salicyl. pulv. 1 lb. @ 17/6 lb. Sulphur, Coml., cases, 4 2-gal. jars @ 36/- each; 20 cases @ 35/- each. Sulph. Aromat. B.P., 5 lbs. @ 4/4 lb. Tannic, B.P., 1 lb. @ 5/6 lb. Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/11 lb.; parv. 1d. lb. extra.	Boracic Mixture, 1 cwt. @ 62/- cwt. Borax, 1 cwt. @ 32/-; powder 1/- extra. Butyl-Chloral Hydras., P.B., 1 lb. @ 1 lb.	Emp. Picis, P.B., 7 lbs. @ 11d. lb. Plumbi, P.B., 7 lbs. @ 11d. lb. " Resina, P.B., 7 lbs. @ 11½ d. lb. Roborans, 7 lbs. @ 11½ d. lb.
Adeps Benz., B.P., 28 lbs. @ 1/0½ d. lb.; 7 lbs. @ 1/1½ lb.	Caffeine, P.B., 1 lb. @ 40/- lb. Caffeinæ Cit., B.P., 1 lb. @ 25/6 lb.	Emulsiol. Morrbua, 5 lbs. @ 1/7 lb. Eserine Sulph., in 15-grain tubes, 8/3 each.
Ærugo Æris Pulv., 14 lbs. @ 1/5 lb.	Calamina, powder, fine pink, 5 cwt. @ 13/- cwt.; 1 cwt. @ 15/- cwt.; 7 lbs. @ 2½ d. lb.	Ess. Bergam. (Oil), 12 lbs. @ 13/- lb.; 1 lb. @ 14/- lb.; not guaranteed absolutely pure.
Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.	Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.	Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.	Calciæ Carb. Præcip., 5 cwt. @ 18/6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.	*Ess. Moschi (not artificial), 5 lbs. @ 13/6 lb.; 1 lb. @ 14/3 lb.
Aloin, B.P., 1 lb. @ 5/6 lb.	Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.	*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 3/- lb.; Bergamot, 3/6 lb.
Ammon. Benz., 7 lbs. @ 20/- lb.; 1 lb. @ 20/6 lb.	" Hypophosph. Pur., P.B., 1 lb. @ 3/- lb. Iodid., 1 lb. @ 25/- lb.	*Ess. Pineapple, 5 lbs. @ 4/- lb.
Ammon. Brom. P.B., 1 lb. @ 18/6 lb.	Campbor., English Flowers, "not artificial," 5 lbs. @ 2/5 lb.; ½ oz. or ¼ oz. 7 lbs. @ 2/2½ lb.; good white, about 95% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 1/10½ lb.	*Ess. Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Ammon. Carb. lump, 3 cwt. @ 6½ d. lb.; 28 lbs. @ 8d. lb.; 7 lbs. @ 8½ d. lb.; powder, 1d. lb. extra.	Calamoamis, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.	*" Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
Ammon. Cblor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7½ d. lb.; Batteries, 6/- cwt. extra.	Carmine, Finest, 1 lb. @ 30/- lb.; No. 2, 1 lb. @ 25/- lb.	*Ext. Belladonnae Liq., B.P., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.; solid, 7 lbs. @ 12/- lb.
Amyli. Trip., 10 cwt. @ 31/- cwt.; 2½ cwt. @ 32/- cwt.; 1 cwt. @ 33½ cwt.	Cera Alba, B.P., White Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1½ lb.; 4 lbs. @ 1/10½ lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10½ lb.	Ext. Cannab. Ind., Alc., B.P., 1 cwt. @ 54/- lb.
Aniseed, English ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 7½ d. lb.	Cerii Oxalas, 1 lb. @ 5/6 lb.	Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/7½ lb.; 10 lbs. @ 1/10 lb.
Antim. Nig. Pulv., 7 lbs. @ 1/2 lb.	Cetaceum, No. 1, fine white, 64 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.; powder, 7 lbs. @ 1/7 lb.	*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/11 lb.; 1 lb. @ 5/5 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.
Antim. Tart. pulv. 7 lbs. @ 3/8 lb.	Cblerodine, 5 lbs. @ 2/6 lb.	Ext. Gent. P.B., solid, 1 cwt. @ 1/10 lb.; 7 lbs. @ 2/- lb.
Apoll. 1 lb. @ 29/- lb.	*Chloroform, pure, B.P., 12 8-lbs. @ 3/1 lb.; 8 lbs. @ 3 2½ lb.; 6 1-lb. bots. @ 3/6 lb.	*Ext. Glycyrr. Liq., B.P., 6 lbs. @ 2/7 lb.
*Aqua Anetbi Conc. 1-40, 1 lb. @ 3/5 lb. " Anisi Conc. 1-40, 1 lb. @ 3/5 lb. " Aurant. Conc. 1-40, 1 lb. @ 6/8 lb. " Aurant. Trip., 6 lbs. @ 5d. lb.; 53 lbs. for 23/-	Cocaine Hydrochlor., B.P., 25 oz. @ 22/6 oz.; 4 oz. @ 23/6; 1 oz. @ 25/- oz.	*Ext. Hamamelis Liq., B.P., 5 lbs. @ 3/11 lb.; 1 lb. @ 9/6 lb.
" Cinnam. Conc. 1-40, 1 lb. @ 3/10 lb. " Laurcerasi, 6 lbs. @ 6d. lb. " Mentb. Pip. Conc., 1-40, 1 lb. @ 3/6 lb. " Roseæ Conc. 1-40, 1 lb. @ 7/6 lb. " Roseæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb. " Samb. Conc., 1-40, 1 lb. @ 6/8 lb. " Samb. Trip., 6 lbs. @ 8d. lb.	Codeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.	*Ext. Ipecac. Liq., P.B., 5 lbs. @ 31/- lb.; 1 lb. @ 32/- lb.
Araroba, fine powder, 7 lbs. @ 8/- lb.; 1 lb. @ 8½ lb.	Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.	Ext. Malti c. Ol. Jecoris, 10 lbs. @ 10d. lb.
*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.	Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.	*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.; solid, 5 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
NOTE.—Only terms Net Cash with Order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.	Conf. Sennæa P.B., 14 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.	Ext. Opii Solid, P.B., 1 lb. @ 72/- lb.
	Cort. Aurant. Exot. Sbreds, 7 lbs. @ 2/4 lb.	*Ext. Opii Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.
	" Cincbon. Rub. (Quill), 7 lbs. @ 1/5 lb.	Ext. Quassiae, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8½ lb.
	" Ulmi Fulva, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.	Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
	Cream of Tartar, 98% powder, 1 cwt. @ 215/- cwt.; 7 lbs. @ 2/- lb.	Ferri Ammon. Cit., P.B., 28 lbs. @ 4/5 lb.; 7 lbs. @ 4/7 lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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Assorted tints, in tins ... 21/- per gross

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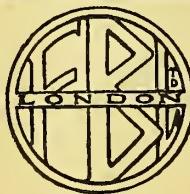
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	No. 1	No. 2	No. 3
Wholesale	10/-	20/-	40/- per doz. net.
Retail	1/3	2/6	5/- per bottle.

Omar Khayyam Perfume

25/-	45/-	100/-	187/- per dozen
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AIR CUSHIONS.

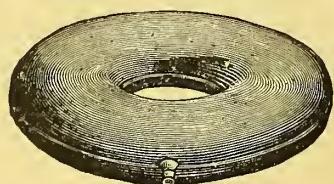


Fig. 1194.

**BRITISH
MAKE.**

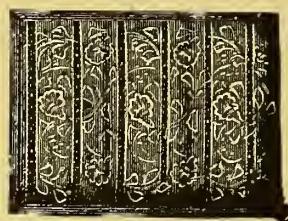


Fig. 1354.

Fig. 1194.—The "EMPIRE," red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	6 6	7 0	8 0	8 6	10 0	11 6	12 6

Fig. 1354.—Air Cushion, sateen covered, reeded Sizes 14×10 15×12 18×14 in.

Each	4 3	4 9	4 9	6 0
" "	" "	" super quality	"	"

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Waterdressing, Fastedge, Calico, and Flannel Bandages, Elastic Web,
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— THE LEICESTER "VARICO" LEG BANDAGE. —

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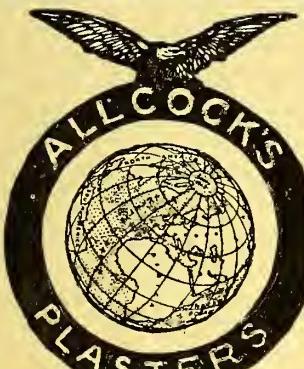
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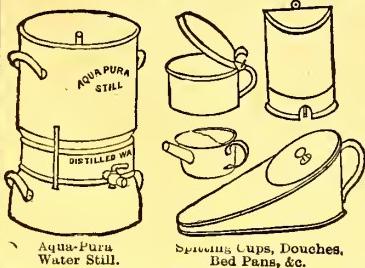
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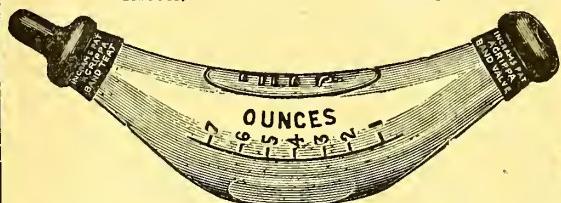
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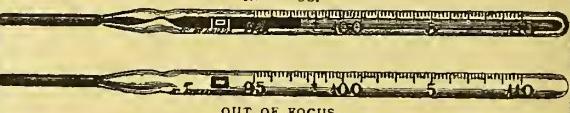
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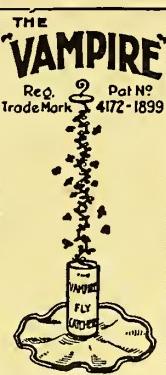
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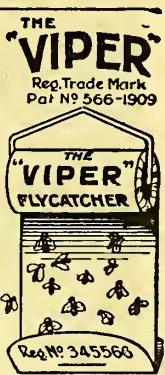
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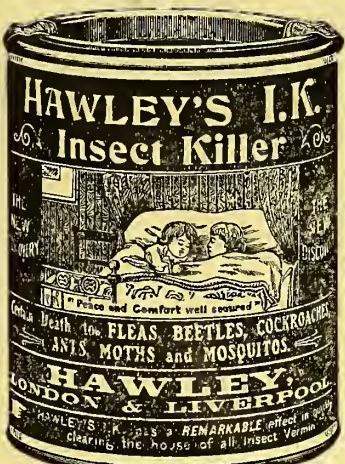
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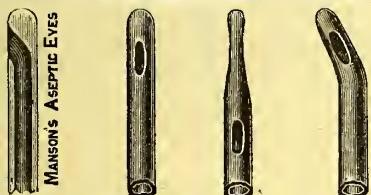
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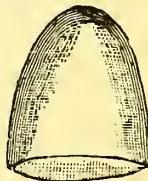
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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 24, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

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at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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10.—INLAND HEALTH RESORT.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the incomer taking up the whole within a given period.

11.—DEVONSHIRE (Health Resort).—Neglected Business; returns about £500; excellent opening for a pushing man; terms, valuation of stock and fixtures.

12.—CAMBS.—Neglected Business; returns, present rate, between £6 and £7 weekly; good opening for extension under personal management; good house and garden; rent £35; price £125, less than valuation.

13.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; net profit about £230; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

14.—SUSSEX.—Good-class Business, established many years; returns £826; net profit £300; comfortable residence, private entrance and garden; rent moderate; price £650.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c., can be determined.** Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

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STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£550 returns.—PLYMOUTH.—Owner, having to join the Army within month, will sell for £150.

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£1,400 returns.—SOUTH COAST (near).—Dispensing and Family Retail; no sidelines; net profit £375; price £850.

£1,200 returns.—YORKS.—Ready-money Light Retail, with large amount of own Preparations; easily worked; net profit £350; price £750, or valuation of stock and fixtures.

£600 returns.—MIDLANDS.—Medium-class Light Retail and Prescribing; growing district; valuation about £250.

**Valuations conducted upon the shortest notice
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1.—SOUTH-WEST COAST.—Good-class Retail and Dispensing, increasing; returns £1,250; net profit over £300; good house and Pharmacy, in best position; stock and fixtures worth about £850; price £975; books properly kept.

2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sidelines; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—EASTERN COUNTY.—Unopposed Country Retail and Agricultural; returns £850; net profit £200; nearest Chemist 7 miles; very good house, bathroom, etc., large garden; family reasons sole cause of sale; price £400.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £500; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

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**VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND
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Personal Attention
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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A NGLESEY.—For immediate Disposal, an old well-known established Business, in a country town on the Coast; good shop and house; leasehold; a yearly tenant has 5 acres of land which can be acquired; no goodwill; suitable for good Mixed Country trade. "F." (247/6), Office of this Paper.

G LOUCESTER City.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £650. Full particulars, 93/33, Office of this Paper.

L ANCS (Popular Resort).—Steady Business, occupying commanding position; turnover £750; handsomely fitted, well stocked; value £360. Further particulars apply, 254/27, Office of this Paper.

B USINESS for Disposal, London, S.W.—No reasonable offer refused for high-class Suburban Business; must be sold in ten days; owner joining up. Write to arrange appointment for personal interview to "Declanore" (254/69), Office of this Paper.

C HEMIST'S Business for immediate Disposal in suburban district of Liverpool; populous locality; takings average about £13 a week; corner shop; rent £45 and taxes; immediate possession. For further particulars apply, Parkin S. Booth, F.A.A. (Accountant to the Association of Manufacturing Chemists, Ltd., Liverpool and London), 2 Bixteth Street, Liverpool.

C HEMIST'S Business for Disposal, with large house, part used as a boarding house, in Tenby, Pembrokeshire; turnover £600 per annum. Full particulars from Mr. Parkin S. Booth (Accountant to the Association of Manufacturing Chemists, Ltd.), 2 Bixteth Street, Liverpool.

D RUG Stores for Disposal owing to husband being called up; will accept £30, fixtures, fittings, and goodwill; stock at value; rent £40; 6 rooms, large garden and stable; 3 rooms and stable let off at 8s. per week. Digmans, 153 Eardley Road, Streatham, S.W.

GENUINE, old-established, unopposed Village Retail; returns exceed £800; minimum net profit £200; nice shop, well fitted and stocked; exceptionally good house, warehouses, gardens, etc.; rent £25; price £400. "Eastmid" (92/12), Office of this Paper.

UNPRECEDENTED Opportunity. — Old-established Country Retail, neglected, but capable quick recovery with personal attention; large handsome shop, well fitted and stocked; good six-roomed house; warehouses; nice walled-in garden; accept £120 for immediate disposal; premises recently redecorated throughout; can be acquired by easy payments, little above rental (£35 yearly). "Cambs" (92/120), Office of this Paper.

WAR Bargain.—Chemist's Business in prosperous Colliery village, County Durham; population of district 12,000; no qualified opposition; established last year; taking £10 to £12 weekly; good prices obtained; capable of great increase; imposing shop, nicely fitted and well stocked; convenient house attached; price £125 (which is less than valuation), or nearest offer; owner been granted two months' exemption. 88/38, Office of this Paper.

WELL-ESTABLISHED Business; present returns over £13 a week; in suburban district of London, populous locality; Chemist-Dentist wanted very badly; a great pity not to take advantage of this opportunity brought about by the war. "Rose" (91/14), Office of this Paper.

FOR SALE.

FOR Sale.—A large quantity of Chemical Apparatus, Glass Jars, Bottles, Funnels, Test Tubes, etc., various Copper vessels, Drying Ovens, Retort Stands, Hydrometers, Crucibles, Balances, Scales, and a quantity of Chemicals. Can be inspected on application to Mr. Alldridge, 30 Victoria Street, S.W., or detailed list supplied.

WHAT Offers?—1 lb. Phenacetin, 1 lb. Pot. Bromide, 900 Acetosal Tabs., 700 5-gr., 600 1-gr. Quinine Tabs., 290 Phenacetin and Caffeine Tabs., 2 gross 4-gr. Morphia, Pills, 4 oz. Protargol, 3½ lb. Yellow Oxide Mercury Ung., 1 dr. Santonin, 1 oz. Thymol, 4 oz. Salol, 2 oz. Hydroquin., 750 Naso-Pharyngeal et Cocaine, 1 lb. Lanoline, 1,000 Pill Pot. Permanganate. D'Aute-Hooper, Gooch Street, Birmingham.

1½ LB. Acid. Lactic., 33s. 9d.; 28 LB. Acid. Oxalic., 50s.; 14 lb. Potass. Bichromas, 25s. 6d.; 2 lb. Potass. Caustic. Coml. Sticks, 18s.; 2 lb. Acid. Hydrobrom. Dil., 10s.; 500 Capsules Guaiacol Carb. gr. 5, 32s. 6d.; 1 lb. Sodium Salicyl. P.P., 16s.; 12 oz. Ammon. Bromid., 12s. 6d.; 4 lb. Ext. Glycyrrh. Liq., 9s. 4d.; 10 oz. Ext. Ergota Liq., 3s. 6d.; 1 lb. Bismuth Subnit., 14s.; or less quantities; bottles extra. Coles, Irthingborough.

3 WINCHESTERS Acetio Ether; cwt. Cinchona Bark; ½ cwt. Oxalic Acid, slightly coloured blue; ½ owt. Logwood; 40 lb. Sumac; 10 lb. Madder; ½ cwt. Peach Wood Dye; 3 lb. Cochineal; 1 lb. Essence of Grain Musk; 1 lb. Saccharin; 5 lb. Carbo Ligni Acacia Pulv.; cwt. prime English Bees' Wax. Percy, Chemist, Truro.

BUSINESSES WANTED.

ADVERTISER wishes to purchase a medium-class Retail Business in Country town; £300 down, remainder by instalments. Full particulars in first letter to "A. B. C." c/o F. C. Long, Esq., 35 Otley Road, Headingley, Leeds.

CHEMIST requires good, sound Business, showing a fair net profit where part payment can remain; initial deposit about £300; Management with view to succession would be entertained, or Partnership in small Wholesale; full details would be appreciated of business open to thorough investigation. Apply, "Pharmacy" (93/6), Office of this Paper.

WANTED, sound Retail Business; main thoroughfare large town; must bear investigation. Full particulars and lowest price to 252/64, Office of this Paper.

WANTED to purchase in Yorkshire or near, a good-class Cash Business with moderate rent, doing about £25 per week; Bank references given. Replies in confidence to "Genuine," 13 Ashville Terrace, Headingley, Leeds.

PARTNERSHIPS.

GENTLEMAN with capital to invest in a good Business with the object of pushing one or two good Specialities. Reply, "M.P.S." (254/59), Office of this Paper.

PHENACETIN and Metol.—Advertiser, who has been investigating existing methods of Manufacturing above, has devised cheap method of production; lacks means to complete experiments; correspondence invited. "M.P.S." (91/5), Office of this Paper.

SALES BY TENDER.

IN THE MATTER OF THE TRADING WITH THE ENEMY AMENDMENT ACT, 1916,

and
IN THE MATTER OF NITSCHE AND GUNTHER OPTICAL COMPANY, LIMITED.

SALE BY TENDER.

MR. BASIL E. MAYHEW, the Controller appointed by the Board of Trade under the above Act, to control and supervise are carrying out of the Order made by the Board of Trade for the winding-up of NITSCHE & GUNTHER OPTICAL COMPANY, LIMITED, of 66 Hatton Garden, London, E.C., Wholesale Opticians, and to conduct the winding-up of the business carried on by the Company in the United Kingdom, hereby invites Tenders for the purchase of the said business and the property and assets of the Company.

The property and assets to be included in the Sale comprise:—

The Stock-in-trade consisting of Gold, Rolled Gold, Nickel, Steel Spectacles, Clips, Folders, Material, Rimless Spectacles, and Clips in all metals.

Hand Frames and Lorgnettes, Barometers, edged and un-edged Lenses, all kinds, 0.50-D. to 20.00-D. Spectacle, Clip and Chatelaine Cases.

Eyeglass Chains, Cords, Hooks, Magnifiers, Readers, Test types, Charts, Trial Cases, Trial Frames, Ophthalmological Sundries, Keratometers and Sight-testing Accessories, Optical Books, etc.

Registered Trade Marks and Designs.

Plant, Machinery, Tools, Office Furniture and fittings.

The goodwill of the business carried on by the Company, including the benefit of all unexecuted Contracts, and subject to the consent of the Landlord, the benefit if desired by the purchaser of the yearly tenancy under which the premises of the Company are held.

Intending purchasers may inspect the property to be comprised in the Sale on any week-day other than Saturday, between the hours of 10 a.m. and 5 p.m. upon application to the Controller.

All Tenderers must be British, and not subject to any foreign influence.

Particulars and conditions of Tender may be obtained from the undersigned, by whom all Tenders must be received not later than the 15th day of JULY, 1916.

BASIL E. MAYHEW,
Chartered Accountant,
Alderman's House,
Bishopsgate, E.C.

LEGAL.

IN THE MATTER OF THE TRADING WITH THE ENEMY (AMENDMENT) ACT, 1916, and in the MATTER of PFEIFER and COMPANY, St. Dunstan's House, Cross Street, E.C., Agents for Sale of Chemical Products.

By an order of the Board of Trade, dated 25th May, 1916, under Section 1 (Sub-section 1) of the above-mentioned Act, requiring the business of the above-named company to be wound up, Athelstan Dangerfield, of 56 Cannon Street, E.C., Chartered Accountant, was appointed controller of the company to control and supervise the carrying out of the said Order, and to conduct the winding up of the said business.

NOTICE IS HEREBY GIVEN that the CREDITORS of the above-named company are REQUIRED on or before 31st July, 1916, to SEND their NAMES and ADDRESSES and particulars of their debts or claims to Athelstan Dangerfield, of 56 Cannon Street, E.C., the controller of the company, and, if so required by notice in writing from the said controller, are by their solicitors or personally to come in and prove their said debts or claims at such time and place as shall be specified in such notice, or, in default, they will be excluded from the benefit of any distribution made before such debts are proved.

Dated this seventeenth day of June, 1916.

A. DANGERFIELD, Controller.

AGENCIES.

FRANCE.—Gentleman with own Office in Paris (Opéra), Representative of an important English firm, having exceptional experience of the trade, large French and Spanish connection, wishes to take up first-class exclusive Agency for British Chemical Products, Crude Drugs, etc. Address, Droguerie Anglo-Espagnole, 66 Rue de Provence, Paris.

AGENTLEMAN of business experience seeks Agency; Drugs and Medical Stores preferred. Reply, 93/35, Office of this Paper.

BUYING Agents wanted for India, Burmah, Straits Settlements, China, Japan and the East, U.S.A., and South Africa, for a high-class Antiseptic and Medicinal Drug, capable of a variety of uses. The Igiodine Co., Ltd., Newcastle-on-Tyne.

MR. E. HANSON, Representing Messrs. Shirley Bros., Ltd., London, for Lancashire, Yorkshire, and Cheshire, is open, with their consent, to undertake an Agency for line not clashing with their goods. Reply, E. Hanson, 10 Palmerston Avenue, Whalley Range, Manchester.

SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.
Re H. NICKE & CO., 101-105 GOSWELL ROAD, LONDON, E.C.
By order of the Controller, Hugh Wm. Dunn, Esq., Chartered Accountant.

The STOCK of a WHOLESALE MANUFACTURER of CHEMISTS' SUNDRIES, SURGICAL and TOILET GOODS, and the PLANT, FIXTURES, and FITTINGS, and OFFICE FURNITURE.

The STOCK comprises:
250 GROSS CUT and MOULDED PERFUME SPRAY BOTTLES, 1,200 yds. Fleecy Cloth for Hot-water Bottle Covers, 500 yds. Silk, 80 dozen Swansdown Skins, large QUANTITY PARTLY MANUFACTURED STOCK and DRUGGISTS' SUNDRIES, White Metal Ice-bag Tops, 20 Pieces of Waterproof Cloth, quantity Satin Ribbons, 15,000 pieces Loofa Washing Gloves and Material, Tooth-brushes, 100 gross P.M. PUFF BOXES, 100 gross Tooth Picks, 2,000 HOUSEHOLD, BATH, and DAIRY THERMOMETERS, LARGE QUANTITY RUBBER GOODS OF EVERY DESCRIPTION, Indiarubber Bellows, Pipette Bellows, etc., Toilet and Manicure Sets and Requisites, expensive Surgical Instruments, large stock of Bone Soother Mounts, 200 gross Corn Solvent Bottles and Corks, Nasal Inhalers, Glass and other Syringes, Showcards, Cardboard Boxes, Wrapping Papers, Gilt Tops for Perfume Sprays, all kinds of Douche Cans, 100 dozen Tooth Creams and Paste, large quantity of Glass Chemists' Sundries, 200 pairs American Split Wood Crutches, China Spitting and Shaving Mugs and Feeding Cups, 7 dozen large Glass Puff Bowls, 200 dozen Menthol, Glass Perfume and Smelling Bottle, 250 dozen Nurses' Nail Scissors and Clippers, Stock of unfinished Sponge Bags, Bathing Caps, Washing Gloves, Finger Stalls, etc., also the well-made

FIXTURES, FITTINGS, and OFFICE FURNITURE, Oak Roll-top Desk, Clerks' Desks, Writing Tables, Chairs and Stools, two Oak Quadruplex Letter Files and Card-index Files, Yost Typewriter, Shannon Rapid Roller Copier, three Omega Gas Stoves, A 48-in. 12 CORNER BENT STEEL SAFE by J. TANN, 1,500 small Packing Cases, Trolley, Ranges of Shelves, two large size "Oresse" Anthracite Stoves, PLATE-GLASS COUNTER, WALL, and CENTRE SHOWCASES, Instrument Showcases, Dials, Nests of Drawers, Partitioning, Benches, etc., Power Bench, and 12 Singer's Sewing Machines, three ditto on Treadle Stands, powerful Label-punching Machine, 2-h.p. Electric Motor, Heavy Screw Press, Pinking, Eyeletting, and other Machines.

MR. FRANK G. BOWEN

will SELL by AUCTION, on the PREMISES, as above, on WEDNESDAY and THURSDAY, 12th, 13th July, at 1 each day.

On view day prior, Catalogues of Hugh William Dunn, Esq., Messrs. Davies, Dunn & Co., Chartered Accountants, 46 Queen Victoria Street, E.C., and of the Auctioneer 62a Aldersgate Street, E.C.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CARDIFF.—Senior Assistant; used to good-class business; must have undeniable references; short hours. W. T. Hicks & Co., Cardiff.

CHATHAM.—Locum wanted, qualified Chemist, lady or elderly gentleman, 3 weeks July or August; Assistant kept (lady). Terms (outdoors) and reference to Freeman, Chemist, Chatham.

CHEL滕HAM.—Wanted immediately, competent Assistant, qualified preferred (ineligible), for high-class Dispensing and Photographic business (indoors). Please send photograph and usual particulars, to Beetham & Clark, Cheltenham.

CREWE.—Qualified Assistant wanted at once, ineligible, or over military age, for a good-class Mixed Country business; short hours, 8 to 8; Wednesday half-day; no Sunday duty; outdoors; state age, salary required, and experience. Apply, Exors. of E. Booth, Chemist.

CUMBERLAND.—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

ERITH-ON-THAMES.—Locum required, qualified, outdoors, for Erith and Belvedere, several weeks, either consecutively or for short periods during July, August, and September; preferably commencing about July 1 or 8; close Monday, Tuesday, Wednesday, 8 p.m., Thursday 1, Friday and Saturday 9.30; no Sunday duty; good salary offered to capable man. Apply, Walter Reeson, 80 High Street, Erith, Kent.

GLoucester.—Qualified Assistant required (not eligible) for Light Retail and Dispensing business; some knowledge of Surgical Appliances desirable. Full particulars to Freshfield Reynolds, Pharmacist, Gloucester.

GRIMSBY.—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

HAEROGATE.—Wanted, unqualified Assistant, also a Junior or Improvisor, in high-class business; indoors. Apply, stating age, height, references, and salary required, to A. B. Payton, Crown Pharmacy, Harrogate.

LEICESTER ROYAL INFIRMARY.—A lady Dispenser is required; Minor qualification. Apply, stating age, experience, and salary required, to House Governor and Secretary, Royal Infirmary, Leicester.

LIVERPOOL.—Manager for high-class old-established business; good salary and share of profits to reliable, businesslike Pharmacist who will work; ample scope for increase; every facility given; short City hours. All replies, in confidence, "R. S." (254/28), Office of this Paper.

LANDUDNO.—Wanted immediately, lady Assistant with good Dispensing and Retail experience. State all particulars, with photograph, to Miss Horniblow, Pharmacist, 4 Queen's Buildings, Llandudno.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State experience and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.W.—An Assistant wanted; a good Dispenser. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

LONDON, S.W.—Wanted, Dispensers, qualified and unqualified (male); approximate hours of work, 8.45 to 6 p.m.; no Sunday duty; Saturdays 1 o'clock. When applying, give full particulars of past experience, age, and salary required, to "L. J.", 400, Sells' Advertising Offices, Fleet Street, E.C.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

LONDON, W. (near Baker Street).—Qualified Manager, to take sole charge; reliable man with previous experience and good references; smart Counter experience; ineligible; salary and commission. Give full particulars, references, and salary required, and when at liberty, Goodall, 66 Lower Richmond Road, Putney.

LONDON, W.—Lady Assistant wanted as soon as possible; with Counter knowledge preferred; qualification and Dispensing experience not necessary. Apply, H. A. Irwin, 2 Station Parade, Ealing Common.

MANCHESTER.—Qualified wanted for small Branch; easy hours; light duties; elderly not objected to if active. Give full particulars in first letter, Chemists, c/o C. Harrison & Sons, 26 Chapel Street, Salford, Manchester.

NEWBURY.—Wanted, Competent Assistant, lady (or ineligible male), for Dispensing or Counter; good salary and easy hours. Hickman & Metcalf, Pharmacists, Newbury.

NEWINGTON BUTTS, London.—Well-known firm have an opening for capable unqualified Assistant above military age; or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 92/370, Office of this Paper.

RYAL London Ophthalmic Hospital, City Road, E.C.—Assistant Pharmacist required for duration of war; Minor qualification essential; hours 8.30 to 3.30 (approximately); lunch provided. State age, experience, and salary required, to the Dispenser.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WOLOVERHAMPTON.—Vacancies in Retail Pharmacies and Manufacturing Laboratory for unqualified Assistants; easy hours. Applicants, who must be men, ineligible for military service, or women, should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street.

ASSISTANT wanted; good salary offered to a reliable man. The Boleyn Drug Stores, Ltd., 127 and 129 Barking Road, East Ham.

ASSISTANT who speaks French wanted immediately; must be exempt from service. Apply, Manager, Heppell & Co., Hotel Cecil Buildings, Strand, W.C.

BRANCH Manager, qualified; good prospects to suitable man; also permanent evening Dispenser, qualified. Apply, "London" (91/17), Office of this Paper.

IMEDIATELY.—A competent, trustworthy Assistant; accustomed to good-class business. W. Pickard, 3 West Kensington Terrace, W. (opposite West Kensington Station).

JUNIOR Assistant (outdoors), not over 30, required for good-class Retail and Dispensing business; unqualified and ineligible for military service. Apply (enclosing photo if by letter) to T. Woodruff, Pharmaceutical Chemist, Cheadle, Cheshire.

LADY Assistant; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (92/371), Office of this Paper.

LADY Assistant, qualified or half, wanted immediately, for Chemist's business; duties: Dispensing, Private and N.H.I., and assist at Counter spare time; one experienced preferred, but not essential; outdoors. Particulars of age, experience, and salary required, to Richardson, Chemist, Dudley.

LOCUM, first 2 weeks July; ineligible; thoroughly competent, and able to manage single-handed small easily worked Retail and Dispensing business, middle-class industrial district in West of England; engagement may be extended to six or eight weeks if mutually agreeable; outdoors. Terms and references to 93/14, Office of this Paper.

LOCUM required by West-End Pharmacy, qualified gentleman (with knowledge of Continental Pharmacy preferred), for four weeks in August; if not free in August, state when available (weeks need not be consecutive). Reply, with full particulars, salary, age, qualifications, free dates, etc., 93/32, Office of this Paper.

LOCUM, unqualified, for London N.W., fortnight in August, if possible; unexceptional references required; must be good Counterman. "Verax" (94/3), Office of this Paper.

MANAGER required; ineligible; experienced in all branches; reliable, active, polite; good references essential; knowledge of Photography preferred, though not essential. Photo, if obtainable; 89/33, Office of this Paper.

MANAGER, unqualified (either sex), required by July 1 for a Light Retail Branch Drug Store; must possess a good all-round experience; living accommodation on premises if desired. Apply personally, or by letter, giving fullest particulars, to Smith & Cole, Taylor's Lane, Harlesden, N.W.

MANAGING Assistant required for Branch business; good opportunity offered to one requiring a permanency; reasonable hours; share interest offered in return for good services; near Newport and Cardiff. State salary required and full particulars, in first letter, Clarke, Chemist, Bedwas.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

QUALIFIED (ineligible), light duties, or elderly part-time; permanency. Full particulars to A. G. Foster, Chemist, Leigh-on-Sea, Essex.

QUALIFIED Manager required for modern Cash business; permanency, with plenty of scope; liberal interest in the profits offered to a first-class man; state whether married. "Manager" (92/37), Office of this Paper.

QUALIFIED lady Pharmacist wanted for the period of the war, or for at least six months, at the Evelina Hospital for Children (about 70 beds and Out-patient department); attendance required all day, except Sundays; candidates should state age, qualification, past experience, and salary desired. Applications (by letter only), with not more than three testimonials (copies), to The Secretary, Evelina Hospital, Southwark, London, S.E.

QUALIFIED Manager required for duration of war; must have good Commercial knowledge and be accustomed to Wholesale, Retail, and Export trade. Apply by letter only, giving full particulars, Tucker, 173 Half Moon Lane, Herne Hill, S.E.

REQUIRED, lady Dispenser, fully qualified, for St. Paul's Hospital. 13A Red Lion Square, Holborn (interview 1.30 and 6.30).

SUNDAY Evenings.—Reliable Assistant wanted; hours 6 to 9 p.m. Reply, with full particulars as to salary, experience, and references, 2 Malvern Road, West Kilburn, N.W.

THOMPSON & CAPPER'S have a vacancy for an unqualified Assistant at their Leeds Branch. Apply, Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (92/372), Office of this Paper.

UNQUALIFIED Assistant required; well-paid permanency for suitable man. Apply, Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

WANTED, an Assistant for Light Country Retail or N.I. Dispensing (male or female). State salary required (outdoors), qualification, if any, etc., to "Seacoast" (94/2), Office of this Paper.

WANTED at once, an elderly qualified Chemist one or two hours a day for Dispensing business. Apply, 254/74, Office of this Paper.

WOMAN Packer, accustomed to putting up Chemists' stock. Apply, Mr. Cooper, 80 Gloucester Road, South Kensington, S.W.

YOUNG lady Assistant required, with good knowledge of Dispensing and Counter work; no applicant with Doctor's or Hospital experience only will be entertained. Apply with fullest particulars to the Managing Director, Parke's Drug Stores, Ltd., 65 Harmood Street, N.W.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W.—Man wanted, accustomed to Wet and Dry Counters, for putting up Drugs. Write, giving full particulars, to "L. J." 398, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Laboratory Assistants (female); accustomed to Weighing and Wrapping Powders. Write, giving full particulars, to "L. J." 399 Sells' Advertising Offices, Fleet Street, E.C.

LONDON House requires an experienced man to assist in supervising Export Despatch Department; ineligible; state experience and wages required. Apply, 252/67, Office of this Paper.

ASSISTANT in Surgical Instrument firm; accustomed to meeting Doctors, Counter work, etc. Address, stating age, experience, references, and wages expected (knowledge of Instruments indispensable). 74/1, Office of this Paper.

ASSISTANT Forewoman for Packed Goods Department of a leading provincial House; the applicant must be able to train young workers and be thoroughly experienced. Apply, with full particulars of career, and state salary expected, "Label" (354/43), Office of this Paper.

COUNTER Assistants, Wets and Dries, also Checkers for Home and Export despatch; ineligible for military service. Apply to Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

DRUG Invoice Clerk. State age, experience, and salary required, Ayrton, Saunders & Co., 34 Hanover Street, Liverpool.

DRY Chemicals.—Counterman wanted at once; good wages and permanency to the right man. Apply, "W. M. C.", Burgoine, Burbidges & Co., East Ham, E.

EXPERIENCED Forewoman wanted for Packed Drugs. Apply by letter, giving age, experience, and salary required, to Box 15158, Haddon's Advertising Offices, Salisbury Square, Fleet Street, London, E.C.

EXPORT Packer required; over military age; accustomed to Packing Fragile Goods, and capable of keeping Warehouse Books and records. Apply, Zenobia, Ltd., Manufacturing Perfumers, Loughborough.

FOREWOMAN wanted at once for Finishing Department in Ink and Gum Factory in Walthamstow district; must be accustomed to piece-work and good disciplinarian. Apply by letter, stating qualifications and salary required, 93/39, Office of this Paper.

PACKER and Despatch Clerk for Druggists' Sundries; must have good knowledge of London, and be indigible; light work; hours 9 to 6.30. Apply, "Amami," 469 Holloway Road, N.

SHORTHAND Typist (male); must be quick and accurate, and have a knowledge of the Drug trade; ineligible for military service. Write, giving full particulars, to "S" (253/52), Office of this Paper.

WANTED at once by London House, Superintendent of Wet and Dry Counter (Export); must have had first-class experience and ineligible for Army. Apply, stating previous engagements, age, and salary required, to "Counter" (254/73), Office of this Paper.

WANTED, for Pharmaceutical Laboratory of provincial Drug house, capable, energetic qualified man who has had experience in the manufacture of Galenicals, etc. Apply, 254/63, Office of this Paper.

WANTED, youth, with some Chemical training, for Laboratory of Manufacturing Chemists; good opportunity for suitable Junior. Apply, with full particulars, to "Q," Messrs. E. T. Pearson & Co., Ltd., London Road, Mitcham.

WHOLESALE.—Wanted, man of experience, ineligible for Army, to Manufacture by machinery for Wholesale Sundry and Packed Goods house; one with original ideas for new lines preferred; permanency and reasonable salary to right man. State experience, age, when at liberty, and salary required, Raybould, Whitehouse & Co., Ltd., Wholesale Chemists, Dudley, Worcestershire.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

CHINA.—An Assistant, accustomed to first-class Retail and Dispensing business; qualified preferred, but not essential; age 21-30; four years' agreement; good salary; passage paid out and home; must be ineligible for military service. Address, "X." (89/29), Office of this Paper.

EAST INDIES.—Assistant, state qualified or unqualified, age 22 to 28, single, discharged or rejected, wanted for first-class British business in British Colony; good tropical climate; four years' agreement; passage paid; liberal salary to smart man with good-class Retail, Counter, and Dispensing experience. Apply, giving full particulars of experience, and stating present salary, 90/8, Office of this Paper.

SITUATIONS WANTED.

is. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

ADVERTISER, well educated, age 46, desires casual Evening work; good all-round knowledge Drngs, Sundries, Proprietaries. "Ferrum," 116 Percy Road, Shepherd's Bush, W.

ANALYTICAL Chemist, 24, desires post abroad; present in Spain; at liberty in November. Write, "E." (91/6), Office of this Paper.

AS Manager, Assistant, Locum, or permanency; age 45; London and Provincial experience; qualified. "Riverside," 40 Boathouse, Exmouth.

AS temporary or Holiday Assistant; just completed 4 years' apprenticeship; waiting month's notice call from military; first-class references. Leslie Matthews, Tasburgh, Norfolk.

ASSISTANT; unqualified; rejected; 23; Yorkshire preferred, but not essential; disengaged. 91/7, Office of this Paper.

ASSISTANT or Branch Manager; unqualified; thoroughly experienced and reliable; over military age; permanency desired; married; no family. "T." 38 Clevedon Road, Norbiton.

ASSISTANT (25); unqualified; married; good Dispensing and Counter experience; London preferred. Yates, 11 Western Road, Bexhill.

ASSISTANT (20), ineligible, requires situation in Laboratory or Retail; Birmingham district preferred. 911/18, Office of this Paper.

BELGIAN Pharmacist, discharged from military service, knowledge of English Dispensing, desires situation in Pharmacy, Chemical Works, or Wholesale house. Address, "R. S." 40 Blandford Street, Baker Street, London, W.

BRANCH, Small.—Registered, over military age, Prescriber. B. General Rawdon, Luddendenfoot.

CHEMIST'S daughter, unqualified, seeks employment at Counter and assist in Dispensing; can give mornings and afternoons or mornings and evenings; Western district. Miss Johnson, 2 Victoria Gardens, Notting Hill Gate.

DISENGAGED; age 45; Locum or permanency; good references and experience. "Energetic" (91/15), Office of this Paper.

DISENGAGED; good varied experience; Manager, Assistant; 41; unregistered. "Chemicus," 89 Denmark Road, Manchester.

DISPENSER, lady, requires post in good-class Pharmacy in or near Bradford; unqualified. 92/17, Office of this Paper.

DISPENSER seeks evening employment (Hall), Doctor's or Chemist's; good references; several years' experience. "H. T. E." 31 Klea Avenue, Clapham Common, S.W.

DISPENSER-BOOKKEEPER, over military age, seeks post-Doctor or Chemist, but opportunity to extend Retail experience desired; part- or full-time; London. 92/33, Office of this Paper.

HOSPITAL Locum; disengaged August; educated gentleman; twelve years' highest Hospital experience; Hall qualification; seaside preferred. "Abstainer," 50 Woodside Park Road, London, N.

LADY, 40, over two years' experience in Retail, desires post; permanent. 89/36, Office of this Paper.

LADY Dispenser (Hall) desires post, permanent or Locum, with Doctor, Hospital, Institution, or Chemist; no Counter work; London preferred. 93/5, Office of this Paper.

LADY (23), having had 4½ years' good-class Dispensing and Counter experience, desires post. 92/34, Office of this Paper.

LADY Dispenser (Hall) requires post with Doctor, Hospital, or Chemist; some experience. Williams, Flat 2, 31 Glengall Road, Kilburn, N.W.

LIVERPOOL District (or near).—Pharmacist with ample experience in Management, is open to offers of Managership, with interest, in good-class business; permanency and reasonable hours desired; disengaged after August 9. Please give in first letter full particulars, in confidence, of locality, hours, and salary offered. 91/25, Office of this Paper.

LOCUM; N.H.I. Dispensor and experienced Counter hand; would not object to good permanency; ineligible; disengaged. Edwards, 45 Strand, Ferndale, S. Wales.

LOCUM, Pharmacist, 27, desires fortnight in July; Scottish Country Pharmacy preferred; salary 2 guineas weekly and expenses. 6 Manor Road, Witton, Birmingham.

LOCUM; country; qualified; 50; first-class references; disengaged July 15 to August 21, after September 10; booking forward. Dewey, Barron, Chemists, Chapel Road, Worthing.

LOCUM or any other post. Palmer, 37 Upper Kennington Lane, S.E.

LOCUM Tenens or temporary; disengaged; experienced; ineligible; references. 91/19, Office of this Paper.

LOCUM Tenens.—Qualified Chemist, 49, desires engagements for summer; accustomed to first-class business. "Y. Z. X." (91/23), Office of this Paper.

LOCUM; qualified; 31; outdoors; thoroughly capable. "M.P.S." 52 Manor Drive, Leeds.

LOCUM; qualified; 34; disengaged till July 8. Adams, 70 Clancarty Road, Fulham.

LOCUM or Manager; qualified; ineligible; varied experience; reliable, energetic; good references; Lancs or Midlands. "Phenol" (92/15), Office of this Paper.

LONDON Only.—Branch Manager, Assistant; over military age; unqualified; abstainer; Front Counter, Dispensing; disengaged. State salary (outdoors), "Hodie," 10 Alcearn Road, Clapton, N.E.

MANAGER; thoroughly competent; quick Counterman and Prescriber; interest or early succession entertained; highest references; London preferred; unqualified. "A. W." 163 High Road, Tottenham, N.

MANAGER; 42; Minor qualification; best-class Dispensing and Retail experience; outdoors; now disengaged. Rees, 1 Rase-mount Mansions, Finchley Road, N.W.

MANAGER; unqualified; 33; ineligible; 14 years' experience; keen Salesman, accurate Dispenser, and good Window-dresser; salary 50s. weekly. Owen, 16 King Street, Pontypool.

MINOR, M.P.S.; elderly, energetic; large experience; well connected; highest references; Locum, part-time, or Manager Branch, or position of trust. 88/39, Office of this Paper.

PART-TIME, West End, wanted; finest experience. Pharmacist, 10 Durham Terrace, W.

PHARMACIST (elderly), part-time Counter; London. "T. R." (91/5), Office of this Paper.

PHARMACIST (elderly), wide experience, offers services, 10 to 7; London; moderate salary. 93/3, Office of this Paper.

PHARMACIST seeks post in Retail, Wholesale, or as Traveller; 7 years in present position. "N. G." 5 Church Street, Basingstoke.

QUALIFIED Manager; ineligible; experienced; sober, industrious, reliable; at liberty; town or country; last posts eight years and five years. "Saxin" (90/40), Office of this Paper.

QUALIFIED; 36; good experience Dispensing and Counter. "Radix" (91/8), Office of this Paper.

QUALIFIED; Scotsman; best Dispensing (Scots); Radio-graphic, Photographic experience; Managership, succession, or otherwise; London or Provinces. 87/16, Office of this Paper.

QUALIFIED; 39; married; exempt; Locum, permanency; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED (42) seeks berth; Liverpool or near; temporary or permanent; disengaged. 93/8, Office of this Paper.

QUALIFIED (43) requires change; Manchester district. State salary first letter, "Rhei" (92/36), Office of this Paper.

QUALIFIED Chemist, age 42, active, of good appearance and address, with high-class Dispensing experience, offers his services to enable the proprietor to join the Colours without loss of business; Pharmacy must be in a select neighbourhood. 92/16, Office of this Paper.

QUALIFIED desires change; at liberty July 3; good references. 91/33, Office of this Paper.

QUALIFIED; active; ineligible; experienced all branches; commence to suit employer; permanency wanted. 254/23, Office of this Paper.

QUALIFIED (29) experienced, ineligible, as Manager or responsible position; London. "Aspirin," 35 Hamlet Gardens, Ravenscourt Park, W.

QUALIFIED wants evening work after 7 o'clock. "Chemist," 13 Ashby Road, Canonbury, London, N.

QUALIFIED; Manager or Locum; exceptional ability; thoroughly experienced. "Heyman," 3 North Road, Highgate, N.

TRAINED Nurse desires post with Doctor or Chemist, gain experience Dispensing for Hall exam.; in Hove or Brighton. Nurse, 53 Lansdown Street, Hove, Sussex.

UNQUALIFIED, ineligible, 24, experience Retail and Laboratory, desires position Wholesale Laboratory (Liverpool) or Retail (Wallasey). 89/2, Office of this Paper.

UNQUALIFIED Assistant; ineligible; active, reliable, and would give good services; used to quick Cash Counter trade and Window-dressing; been with present employer 8 years; disengaged July. Donaldson, 48 Derby Road, Portsmouth.

UNQUALIFIED; over military age; good all-round man; steady, sober, and industrious; good references; disengaged in a week. "Chemicus," 13 Southfield Street, Worcester.

UNQUALIFIED, disengaged, seeks berth; Central or South London preferred; good experience; ineligible. "Salix," 198 Brixton Road, S.W.

YOUNG lady would price Prescriptions or do any Clerical work at home. 92/14, Office of this Paper.

WHOLESALE.

ADVERTISER, qualified Chemist (ineligible), seeks post as Traveller for Wholesale Manufacturing House; several years' experience in introductory work with trade and medical profession; is open to accept position here with view to Representation abroad after war; first-class references; successful, energetic. 89/27, Office of this Paper.

ADVERTISER (ineligible) seeks post of Traveller for a good House; well up all branches of trade; Yorks or Yorks and Lancs. Particulars, 93/1, Office of this Paper.

PHARMACEUTICAL, Toilet, Perfumery, and Chemicals, etc.—Practical man (27), ineligible, 11 years' experience, capable supervisor; desires permanency. 93/28, Office of this Paper.

REPRESENTATION or Management.—Capable and experienced Salesman available shortly; ex-while Pharmacist (qualified); University Chemistry. "Ineligible" (92/24), Office of this Paper.

STOCKKEEPER or Manager of Patent Medicines Department; twelve years' experience in Wholesale and Retail, comprising Wet, Dries, Sundries, Chemical Apparatus, and Patent Medicines; ineligible. "H." 62 Elton Road, Bishopston, Bristol.

TRAVELLER Representing first-class London Sundry House; exempted; smart Salesman; excellent connection London, South Coast. 80/5, Office of this Paper.

TRAVELLER, ineligible, qualified Chemist, connection Chemists, Stores, Institutions, etc., West of England, wishes Represent good House, that or other ground, or would Represent two or three Houses on commission, part salary, and expenses. 91/24, Office of this Paper.

TRAVELLER; middle-aged; connection; Drugs, Chemicals, Proprietaries; disengaged; appointment any day. 91/12, Office of this Paper.

TRAVELLER, 20 years' experience Midlands, South-West Lancs and Yorks, would accept good commissions from reputable houses. 93/40, Office of this Paper.

WANT to Represent on salary and commission, Drugs or Allied trade; London connection; active; exempt. Bown, 12 Rochester Terrace, Camden Road, N.W.

WEST of England.—Gentleman covering this ground desires an additional commission for a well-known house; excellent references; guarantee. Address, "Energetic" (91/29), Office of this Paper.

30, REJECTED, good address, 16 years' varied Retail, wants progressive situation, Wholesale. 91/11, Office of this Paper.

MISCELLANEOUS.

FOR Disposal, Cyanide of Mercury, about 200 lb.; what offers? 252/68, Office of this Paper.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPH & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

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to be made in the Photographic Department of your business, but the developing, &c., must be **WELL** and **QUICKLY** done. We are experts, and only require 9 hours to develop and print. We pay return postage. Send for our list and give us a trial.

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TO CHEMISTS, SHIPPERS AND CHEMICAL MANUFACTURERS.

We compress tablets from your own ingredients or otherwise, plain or coated; Large quantities dealt with quickly.

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R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

42 years "Chemist and Druggist," 48 years "Pharmaceutical Journals"; sell at low price. Percy, Chemist, Truro.

DENTAL.

DENTAL.—Offers for 15 circular-jointed dental forceps; adult; nickel-plated; practically new. Carter, Chemist, Chester.

DRUGS AND CHEMICALS.

PHENACETIN, 1 lb. 70s., or in quarters 18s. 6d. post free, from Wilson, Bedford Park, W.

EAU DE COLOGNE (4711), 18 2-oz., 8 half-pint wickered, 1 one-pint. "Chemist," 14 Basinghall Street, E.C.

OFFERS.—1 lb. pot. bromid, 1 lb. pot. iodid, 4 oz. hydrokinone, 5j. atropin, sulph., 1 lb. acid, acetyl salicyl., 1 lb. ext. bellad. liq. 91/4, Office of this Paper.

16 oz. quin. sulph., 3s.; 8 oz. phenazone, 3s. 6d.; 4 lb. bismuth. carb., 15s. 6d.; 1 lb. potass. bromid, 15s.; 1 lb. potass. permang., 8s.; 30 oz. ferri quin. cit., 1s. Adams, Oxford Street, London.

FOR disposal, 8 oz. gum. tragac. elect., 16 oz. ditto sec., 4 lb. potas. ferrocyan., 1 lb. tannic acid., 1 lb. hydrarg. sulph. e. sulph., 10 oz. opium (good), 1 oz. piperazine, 2 oz. bismuth. salicyl., 46 grs. mósch gran, 4 oz. sulphonal. Offers, Slinn, Newport, Salop.

SHOP FITTINGS.

£5.—12-ft. run of basswood-fronted drug drawers, with glass labels and knobs; also 12-ft. basswood cornice, new November 1913. Somerton, 357 Battersea Park Road, S.W.

MISCELLANEOUS.

FIRST reasonable offer, Gledhill cash till, listed £8; Sparklet syphon charger and 5 new syphons. "Pharmacist," 239 Roundhay Road, Leeds.

1-gall. and 2-gall. show carboys, pear shape, cut-glass stoppers, 12s. 6d. the two, carriage forward; dental chair, excellent condition, 45s. carriage forward. 90/35, Office of this Paper.

WANTED.

WANTED, Zwanek's pessary, size 2. State price, Hellens, Chemist, Totnes.

WANTED, sifter and mixer; state make, size, etc. Reply, 89/32, Office of this Paper.

PHOTOGRAPHICS.—Wanted, bromide opals, 1-plate or larger; small or larger offers entertained; private buyer. "Antony," 9 The Gardens, East Dulwich, London.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see Supplement for June 3, p. xxxvi.

WANTED.

Pot. permang. (255/2)

FOR DISPOSAL.

Responsible buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:

Amyloform (90/39)	Metal (genuine), 5 oz.
Analgen (90/39)	(255/1)
Anthrasol (90/39)	Novaspirin (90/39)
Antimonium crocus pulv., 28 lb. (255/1)	Novatophan (90/39)
Bismuth carb. (B. W. & Co.), 7 lb. (255/1)	Orphol (90/39)
Citarin (90/39)	Proponal (Bayer), 1 oz. (88/40)
Diaphlatherin (90/39)	Quin. sulph., 16 oz. (255/1)
Europhen (90/39)	Salophen (90/39)
Exalgim (90/39)	Santyl (liquid) (90/39)
Ferrypyrine (90/39)	Sidonol (90/39)
Hemogallol (90/39)	Stovaine (90/39)
Hydroquinone, 1 lb. (255/1)	Styramol (90/39)
Hypnal (90/39)	Tannalbin (90/39)
Ichthalbin (90/39)	Theocin (90/39)
Lodipin tablets (90/39)	Triferrin (90/39)
Lactophenine (90/39)	Tussol (90/39)
Migrainine (90/39)	Zinc. perhydrol (90/39)
	Zinc. soziodiol (90/39)

Colonial and Foreign News.

WAR CHEMISTRY.—Professor Dr. A. Tschirch, in the course of a lecture at the Berne University on November 28, 1915, said that the chemistry of war has taught us "Aus schmutzigem Schlamm Fette, aus stinkendem Teer Riechstoffe und Farbstoffe herzustellen, Krankheiten zu heilen, und aus Steinen Brot zu machen; ja sie vermag sogar Berge zu versetzen, den Blitz vom Himmel herabzuholen und uns zu lehren, von der Luft zu leben."

SALVARSAN FOR AMERICA.—The "Oil, Paint, and Drug Reporter" intimates the fact that a lot of salvarsan and neo-salvarsan, valued at \$500,000, has reached the offices of the Farbwerke-Hoechst Co., New York, from Germany, via Holland, following the granting of a special permit by the Kaiser. The French and British Governments allowed the shipment to pass on "humanitarian grounds," as stocks in America were exhausted and numerous substitutes were supplied, especially by the Polyclinic Hospital in Philadelphia. These substitutes, although infringing on the salvarsan patents, were permitted by the Hoechst Co. to be dispensed directly to physicians.

Coming Events.

Sunday, June 25.

Pharmacists' Volunteer Training Corps, Victoria Station, at 8.30 A.M. Otford billeting party. At 10 A.M. Millbank, Company parade, etc. The bacteriological classes will be held at 10 Bedford Square, W.C., on June 28 and 29, and July 1.

Thursday, June 29.

North London Pharmacists' Association. Annual outing, which will take the form of a river trip from Kingston to Chertsey and back, disembarking at Chertsey for a meat tea. The trip is in conjunction with the Ucal Lodge of Pharmacy. Tickets (6s. each inclusive) from Mr. Herbert Skinner, G.N.C. Hospital, Holloway Road, N.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The annual meeting will be held on July 13 in the Kingsway Hall, Holborn Restaurant, London, W.C., at 2.30 P.M.

CHEMISTS' DEFENCE ASSOCIATION, LTD.—The annual meeting will be held at 4 P.M., following that of the P.A.T.A. The business will be to receive the annual report and to elect directors and auditors.

VETERINARY CHEMIST is a title which every registered chemist and druggist may use. It means that the chemist may sell remedies for cattle, horses, pigs, sheep, goats, dogs, cats, poultry, or other domestic animals. "Veterinary Counter-Practice" is a treatise on the diseases of animals and the most suitable remedies for them. It is published by the C. & D., and a new edition (the seventh) is ready. It contains nearly 450 pages and costs 4s. 6d., or by post 4s. 11d. Get a copy now from your wholesale house, or from 42 Cannon Street, London, E.C.

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These products are made by the Ammonia Process, and are distinguished from others by their great purity.

**Bicarbonate
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Soda.**

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

**Concentrated
Crystal
Soda.**

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda ; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade ; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

**Pure Alkali.
58 Degrees.**

A dry, white powder : dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda ; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Bleaching Powder. Carbonate of Ammonia

(Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.